Berliner
Astronomisches Jahrbuch

für

1937

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162. Jahrgang

Herausgegeben von dem

Astronomischen Rechen-Institut





In Kommission bei
Ferd. Dümmlers Verlag, Berlin SW 68
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Astronomisches Rechen-Institut

Berlin-Dahlem, Altensteinstr. 40

Direktor:	Dr. A. Kopff, Universitätsprofessor
Observatoren:	Dr. P. V. Neugebauer, Professor
	Dr. G. Stracke, Professor
	Dr. O. Kohl, Professor
	Dr. A. Kahrstedt
	Dr. K. Heinemann
Assistenten:	Dr. F. Gondolatsch
	Dr. H. Müller
	Dr. K. Pilowski
	Dr. U. Baehr
Hilfsrechner:	R. Hiller
Mitarbeiter:	Dr. J. Peters, Observator u. Professor i. R.
	Dr. H. Nowacki

Vorwort

Vom Jahrgang 1916 an ist der fundamentale Meridian, auf den alle Angaben des Jahrbuchs bezogen sind, der Meridian von Greenwich.

Die Zeit ist vom Jahrgang 1925 an in Welt-Zeit, d. i. Bürgerliche Zeit Greenwich, ausgedrückt (siehe Erläuterungen).

Die Grundlagen des Berliner Astronomischen Jahrbuchs bilden:

Für die Sonne und die großen Planeten:

Die Tafeln von Newcomb und (für Jupiter und Saturn) von Hill, enthalten in:

Astronomical Papers of the American Ephemeris,
Vol. VI, Part I—IV: *Tables of the four inner planets*,
Vol. VII, Part I—IV: *Tables of Jupiter*, *Saturn*, *Uranus*, *Neptune*.

Für Pluto die Elemente von E. C. Bower. (Näheres siehe Erläuterungen.)

Als Sonnenhalbmesser in der mittleren Entfernung ist 16′ 1″.50 angenommen; dagegen liegt der Berechnung der Finsternisse der von Auwers in A. N., Bd. 128 gegebene Wert 15′ 59″.63 zugrunde.

Für den Mond:

Tables of the Motion of the Moon by Ernest W. Brown.

Der geozentrische Mondhalbmesser $r_☾$ ist aus der Äquatorial-Horizontalparallaxe $p_☾$ gerechnet nach der Formel

$$r_☾ = 0.272469\, p_☾ + 1''.50,$$

für die Finsternisse nach $\sin r_☾ = 0.272274 \sin p_☾$.

Als Neigung des Mondäquators gegen die Ekliptik ist nach F. Hayn (A. N. Bd. 199, 263) angenommen: $J = 1^\circ\, 32'\, 20''$.

Für die Fixsterne:

Neuer Fundamentalkatalog des Berliner Astronomischen Jahrbuchs nach den Grundlagen von A. Auwers, für die Epochen 1875 und 1900 bearbeitet von Dr. J. Peters (Veröffentlichung Nr. 33 des Königlichen Astronomischen Rechen-Instituts).

Zum Übergang auf den „Dritten Fundamentalkatalog des Berliner Astronomischen Jahrbuches“ sind auf den Seiten 369* bis 380* die definitiven Verbesserungen des NFK für 1937.5 gegeben.

Die Sterngrößen sind der »Revised Harvard Photometry (Harvard Annals, vol. 50)«, die Sternspektra dem »Henry Draper Catalogue (Harvard Annals, vol. 91—99)« entnommen.

Als Werte der fundamentalen Reduktionsgrößen sind angenommen:

Die Präzessions-Größen nach S. Newcomb (vgl. H. Andoyer, Bull. Astr. **28**, 67)
Die Nutations-Konstante . . . . . 9".21
Die Nutations-Größen nach S. Newcomb (Bull. Astr. **15**, 241)
Die Aberrations-Konstante . . . . 20".47
Die Sonnen-Parallaxe . . . . 8".80
Die Abplattung der Erde . . . . 1 : 297.0

Für die Satelliten:

Die Angaben über die 4 älteren Jupitertrabanten beruhen auf den Tafeln von R. A. Sampson (*Tables of the four great Satellites of Jupiter.* London 1910), die Angaben über die 8 älteren Saturnsatelliten auf den von H. und G. Struve sowie von J. Woltjer ermittelten Werten (Näheres s. Erläuterungen).

In allen Ephemeriden der Sonne, der Planeten und der Fixsterne sind die kurzperiodischen, von der Mondlänge abhängigen Nutationsglieder weggelassen; doch bietet das Jahrbuch die Möglichkeit, auch diese weggelassenen Glieder zu berücksichtigen (s. Erläuterungen).

Der Inhalt des Jahrbuchs hat gegen das Vorjahr keine wesentlichen Änderungen erfahren.

Bezüglich der Zahlengrundlagen sei auf die im Berliner Jahrbuch für 1916 gegebene Darstellung der »Grundbegriffe der Sphärischen Astronomie« hingewiesen.

Ein Teil der Angaben wurde seitens der American Ephemeris and Nautical Almanac, Washington, des Nautical Almanac Office, London, und des Bureau des Longitudes, Paris, zur Verfügung gestellt.

Die Schriftleitung des Astronomischen Jahrbuchs für 1937 lag in den Händen von Prof. Dr. Kohl; an den verschiedenen Arbeiten beteiligten sich außerdem die Herren Dr. Heinemann, Dr. Müller, Dr. Baehr und mehrere Hilfsarbeiter.

Astronomisches Rechen-Institut.

Inhalt

Zeit- und Festrechnung 1937

Das Jahr 1937 entspricht dem
Jahr 6650 der Julianischen Periode und dem
Jahr 7445—7446 der Byzantinischen Ära.

Gregorianischer Kalender

Goldene Zahl	19
Epakte	XVII
Sonnenzirkel	14
Sonntagsbuchstabe	C

Septuagesima	24. Jan.
Aschermittwoch	10. Febr.
I. Quatember	17. Febr.
Ostersonntag	28. März
Himmelfahrt	6. Mai
Pfingstsonntag	16. Mai
II. Quatember	19. Mai
III. Quatember	15. Sept.
I. Advent	28. Nov.
IV. Quatember	15. Dez.

Kalender der Mohammedaner

1355 (Schaltjahr von 355 Tagen)

Dsû'l-kade	1	1937	Jan.	13
Dsû'l-hedsche	1	»	Febr.	12

1356 (Gemeinjahr von 354 Tagen)

Moharrem	1	1937	März	14
Safar	1	»	April	13
Rebî-el-awwel	1	»	Mai	12
Rebî-el-accher	1	»	Juni	11
Dschemâdi-el-awwel	1	»	Juli	10
Dschemâdi-el-accher	1	»	Aug.	9
Redscheb	1	»	Sept.	7
Schabân	1	»	Okt.	7
Ramadân	1	»	Nov.	5
Schewwâl	1	»	Dez.	5

Kalender der Juden

5697 (Gemeinjahr von 354 Tagen)

Monat	Tag	Fest	Jahr	Monat	Tag
Schebat	1	. . . .	1937	Jan.	13
Adar	1	. . . .	»	Febr.	12
»	13	Fasten-Esther.	»	»	24
»	14	Purim	»	»	25
»	15	Schuschan-Purim	»	»	26
Nisan	1	. . . .	»	März	13
»	15	*Passah-Anfang	»	»	27
»	16	*Zweites Fest.	»	»	28
»	21	*Siebentes Fest	»	April	2
»	22	*Achtes Fest	»	»	3
Ijar	1	. . . .	»	»	12
»	18	Lag-B'omer.	»	»	29
Sivan	1	. . . .	»	Mai	11
»	6	*Wochenfest	»	»	16
»	7	*Zweites Fest.	»	»	17
Thamuz	1	. . . .	»	Juni	10
»	18	Fasten. Eroberung Jerusalems .	»	»	27
Ab	1	. . . .	»	Juli	9
»	10	Fasten. Tempelverbrennung . .	»	»	18
Elul	1	. . . .	»	Aug.	8

5698 (Schaltjahr von 385 Tagen)

Monat	Tag	Fest	Jahr	Monat	Tag
Tischri	1	*Neujahrsfest	1937	Sept.	6
»	2	*Zweites Fest	»	»	7
»	3	Fasten-Gedaljah	»	»	8
»	10	*Versöhnungsfest	»	»	15
»	15	*Laubhüttenfest	»	»	20
»	16	*Zweites Fest	»	»	21
»	21	Palmenfest	»	»	26
»	22	*Laubhüttenende	»	»	27
»	23	*Gesetzesfreude	»	»	28
Marcheschwan	1	. . . .	»	Okt.	6
Kislev	1	. . . .	»	Nov.	5
»	25	Tempelweihe	»	»	29
Tebet	1	. . . .	»	Dez.	5
»	10	Fasten. Belagerung Jerusalems .	»	»	14

Die mit * bezeichneten Festtage werden streng gefeiert.

Astronomische Zeichen und Abkürzungen

Bezeichnung der Wochentage	**Adspekten**
☉ Sonntag	☌ Konjunktion
☾ Montag	□ Quadratur
♂ Dienstag	☍ Opposition
☿ Mittwoch	**Mondphasen**
♃ Donnerstag	● Neumond
♀ Freitag	☽ Erstes Viertel
♄ Sonnabend	○ Vollmond
	☾ Letztes Viertel

☊ Aufsteigender }
☋ Absteigender } Knoten

Zeichen
des Tierkreises und der Himmelskörper

♈ Widder . . .	0	Grad		
♉ Stier	30	»	☉	Sonne
♊ Zwillinge . . .	60	»	☾	Mond
♋ Krebs	90	»	☿	Merkur
♌ Löwe	120	»	♀	Venus
♍ Jungfrau . . .	150	»	♁	Erde
♎ Waage . . .	180	»	♂	Mars
♏ Skorpion . . .	210	»	♃	Jupiter
♐ Schütze . . .	240	»	♄	Saturn
♑ Steinbock . .	270	»	♅	Uranus
♒ Wassermann .	300	»	♆	Neptun
♓ Fische	330	»		

Sonne, Mond, Große Planeten

1937

Tag	Wochentag	0h Welt-Zeit Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
1937		m s	s	h m s	m s	° ′ ″	′ ″	s	′ ″
Jan. 0	Do	+ 2 52.12	28.64	18 39 49.91	4 25.20	−23 7 52.9	4 26.2	71.10	16 17.91
1	Fr	3 20.76	28.36	18 44 15.11	4 24.91	23 3 26.7	4 53.9	71.06	16 17.92
2	Sa	3 49.12	28.04	18 48 40.02	4 24.60	22 58 32.8	5 21.4	71.02	16 17.92
3	St	4 17.16	27.69	18 53 4.62	4 24.25	22 53 11.4	5 48.8	70.98	16 17.91
4	Mo	4 44.85	27.32	18 57 28.87	4 23.88	22 47 22.6	6 16.0	70.93	16 17.90
5	Di	5 12.17	26.92	19 1 52.75	4 23.47	22 41 6.6	6 43.0	70.87	16 17.89
6	Mi	+ 5 39.09	26.48	19 6 16.22	4 23.04	−22 34 23.6	7 9.8	70.81	16 17.87
7	Do	6 5.57	26.02	19 10 39.26	4 22.58	22 27 13.8	7 36.5	70.75	16 17.84
8	Fr	6 31.59	25.53	19 15 1.84	4 22.09	22 19 37.3	8 2.9	70.68	16 17.81
9	Sa	6 57.12	25.01	19 19 23.93	4 21.57	22 11 34.4	8 29.1	70.61	16 17.78
10	St	7 22.13	24.47	19 23 45.50	4 21.02	22 3 5.3	8 54.9	70.54	16 17.74
11	Mo	7 46.60	23.89	19 28 6.52	4 20.45	21 54 10.4	9 20.6	70.46	16 17.69
12	Di	+ 8 10.49	23.29	19 32 26.97	4 19.85	−21 44 49.8	9 45.9	70.38	16 17.65
13	Mi	8 33.78	22.67	19 36 46.82	4 19.23	21 35 3.9	10 10.9	70.30	16 17.60
14	Do	8 56.45	22.02	19 41 6.05	4 18.58	21 24 53.0	10 35.7	70.21	16 17.54
15	Fr	9 18.47	21.35	19 45 24.63	4 17.90	21 14 17.3	11 0.1	70.12	16 17.49
16	Sa	9 39.82	20.65	19 49 42.53	4 17.21	21 3 17.2	11 24.3	70.03	16 17.43
17	St	10 0.47	19.94	19 53 59.74	4 16.49	20 51 52.9	11 48.0	69.94	16 17.36
18	Mo	+10 20.41	19.20	19 58 16.23	4 15.76	−20 40 4.9	12 11.4	69.84	16 17.29
19	Di	10 39.61	18.45	20 2 31.99	4 15.01	20 27 53.5	12 34.5	69.74	16 17.22
20	Mi	10 58.06	17.68	20 6 47.00	4 14.24	20 15 19.0	12 57.3	69.64	16 17.14
21	Do	11 15.74	16.91	20 11 1.24	4 13.46	20 2 21.7	13 19.6	69.54	16 17.05
22	Fr	11 32.65	16.12	20 15 14.70	4 12.68	19 49 2.1	13 41.7	69.44	16 16.96
23	Sa	11 48.77	15.33	20 19 27.38	4 11.88	19 35 20.4	14 3.4	69.33	16 16.87
24	St	+12 4.10	14.53	20 23 39.26	4 11.09	−19 21 17.0	14 24.7	69.22	16 16.77
25	Mo	12 18.63	13.72	20 27 50.35	4 10.28	19 6 52.3	14 45.7	69.11	16 16.67
26	Di	12 32.35	12.92	20 32 0.63	4 9.48	18 52 6.6	15 6.4	68.99	16 16.56
27	Mi	12 45.27	12.12	20 36 10.11	4 8.67	18 37 0.2	15 26.7	68.88	16 16.44
28	Do	12 57.39	11.31	20 40 18.78	4 7.86	18 21 33.5	15 46.5	68.77	16 16.31
29	Fr	13 8.70	10.50	20 44 26.64	4 7.06	18 5 47.0	16 6.1	68.66	16 16.18
30	Sa	+13 19.20	9.70	20 48 33.70	4 6.26	−17 49 40.9	16 25.2	68.54	16 16.05
31	St	13 28.90	8.89	20 52 39.96	4 5.44	17 33 15.7	16 44.0	68.43	16 15.91
Febr. 1	Mo	13 37.79	8.08	20 56 45.40	4 4.64	17 16 31.7	17 2.3	68.31	16 15.76
2	Di	13 45.87	7.29	21 0 50.04	4 3.84	16 59 29.4	17 20.4	68.19	16 15.61
3	Mi	13 53.16	6.48	21 4 53.88	4 3.04	16 42 9.0	17 37.9	68.08	16 15.46
4	Do	13 59.64	5.68	21 8 56.92	4 2.24	16 24 31.1	17 55.0	67.96	16 15.30
5	Fr	+14 5.32	4.88	21 12 59.16	4 1.43	−16 6 36.1	18 11.8	67.85	16 15.14
6	Sa	14 10.20	4.10	21 17 0.59	4 0.65	15 48 24.3	18 28.1	67.74	16 14.97
7	St	14 14.30	3.30	21 21 1.24	3 59.86	15 29 56.2	18 44.0	67.62	16 14.80
8	Mo	14 17.60	2.52	21 25 1.10	3 59.08	15 11 12.2	18 59.4	67.51	16 14.62
9	Di	14 20.12	1.73	21 29 0.18	3 58.29	14 52 12.8	19 14.5	67.40	16 14.45
10	Mi	+14 21.85		21 32 58.47		−14 32 58.3		67.29	16 14.27

Tag	Julian. Zeit	Sternzeit	Nutation in AR. langp. Gl.	Nutation in AR. kurzp. Gl.	Mittleres Äquinoktium 1937.0 Länge		Mittleres Äquinoktium 1937.0 Breite	log R		Aufgang in {+50° Breite, 0h Länge	Untergang in {+50° Breite, 0h Länge
1937	2428	h m s	s in 0.001		° ′ ″		″ in 0.01			h m	h m
Jan. 0	533.5	6 36 57.787	+1075	+17	279 9 4.2	61′ 8.7″	−54	9.992 6494	29	7 59	16 8
1	534.5	6 40 54.345	1077	+15	280 10 12.9	61 8.9	−62	9.992 6465	2	7 59	16 9
2	535.5	6 44 50.903	1080	+10	281 11 21.8	61 9.2	−67	9.992 6463	23	7 59	16 10
3	536.5	6 48 47.461	1083	+ 4	282 12 31.0	61 9.5	−69	9.992 6486	47	7 59	16 11
4	537.5	6 52 44.019	1085	− 1	283 13 40.5	61 9.6	−68	9.992 6533	70	7 58	16 12
5	538.5	6 56 40.577	1088	− 6	284 14 50.1	61 9.9	−64	9.992 6603	93	7 58	16 13
6	539.5	7 0 37.135	+1090	−10	285 16 0.0	61 10.0	−58	9.992 6696	114	7 58	16 14
7	540.5	7 4 33.693	1093	−11	286 17 10.0	61 10.0	−50	9.992 6810	134	7 58	16 15
8	541.5	7 8 30.251	1095	−11	287 18 20.0	61 10.0	−40	9.992 6944	154	7 57	16 16
9	542.5	7 12 26.808	1098	− 9	288 19 30.0	61 10.0	−29	9.992 7098	172	7 57	16 18
10	543.5	7 16 23.366	1100	− 5	289 20 40.0	61 9.9	−17	9.992 7270	190	7 56	16 19
11	544.5	7 20 19.924	1102	− 1	290 21 49.9	61 9.6	− 4	9.992 7460	207	7 56	16 20
12	545.5	7 24 16.481	+1104	+ 4	291 22 59.5	61 9.3	+ 9	9.992 7667	223	7 55	16 22
13	546.5	7 28 13.039	1106	+ 7	292 24 8.8	61 8.9	+21	9.992 7890	240	7 55	16 23
14	547.5	7 32 9.596	1108	+ 9	293 25 17.7	61 8.4	+32	9.992 8130	256	7 54	16 25
15	548.5	7 36 6.153	1110	+ 8	294 26 26.1	61 7.8	+40	9.992 8386	273	7 54	16 26
16	549.5	7 40 2.711	1112	+ 5	295 27 33.9	61 7.0	+45	9.992 8659	289	7 53	16 28
17	550.5	7 43 59.268	1114	0	296 28 40.9	61 6.3	+48	9.992 8948	308	7 52	16 29
18	551.5	7 47 55.825	+1116	− 6	297 29 47.2	61 5.4	+47	9.992 9256	328	7 51	16 31
19	552.5	7 51 52.382	1117	−11	298 30 52.6	61 4.4	+43	9.992 9584	348	7 50	16 32
20	553.5	7 55 48.938	1119	−13	299 31 57.0	61 3.5	+36	9.992 9932	369	7 49	16 34
21	554.5	7 59 45.495	1120	−13	300 33 0.5	61 2.5	+25	9.993 0301	392	7 48	16 35
22	555.5	8 3 42.052	1121	−10	301 34 3.0	61 1.5	+13	9.993 0693	417	7 47	16 37
23	556.5	8 7 38.609	1123	− 4	302 35 4.5	61 0.5	− 1	9.993 1110	443	7 46	16 38
24	557.5	8 11 35.165	+1124	+ 4	303 36 5.0	60 59.5	−15	9.993 1553	469	7 45	16 40
25	558.5	8 15 31.722	1125	+10	304 37 4.5	60 58.5	−29	9.993 2022	495	7 44	16 41
26	559.5	8 19 28.278	1126	+15	305 38 3.0	60 57.7	−41	9.993 2517	523	7 43	16 43
27	560.5	8 23 24.834	1127	+17	306 39 0.7	60 56.7	−50	9.993 3040	549	7 42	16 45
28	561.5	8 27 21.390	1128	+15	307 39 57.4	60 55.9	−58	9.993 3589	576	7 40	16 47
29	562.5	8 31 17.947	1128	+11	308 40 53.3	60 55.1	−64	9.993 4165	601	7 39	16 48
30	563.5	8 35 14.503	+1129	+ 6	309 41 48.4	60 54.2	−67	9.993 4766	625	7 37	16 50
31	564.5	8 39 11.058	1129	0	310 42 42.6	60 53.4	−67	9.993 5391	648	7 36	16 52
Febr. 1	565.5	8 43 7.614	1130	− 6	311 43 36.0	60 52.6	−64	9.993 6039	670	7 35	16 54
2	566.5	8 47 4.170	1130	− 9	312 44 28.6	60 51.8	−59	9.993 6709	691	7 33	16 55
3	567.5	8 51 0.725	1130	−11	313 45 20.4	60 50.9	−51	9.993 7400	710	7 32	16 57
4	568.5	8 54 57.281	1131	−11	314 46 11.3	60 50.0	−41	9.993 8110	729	7 30	16 58
5	569.5	8 58 53.836	+1131	− 9	315 47 1.3	60 49.0	−30	9.993 8839	745	7 29	17 0
6	570.5	9 2 50.392	1131	− 6	316 47 50.3	60 48.1	−18	9.993 9584	762	7 27	17 2
7	571.5	9 6 46.947	1130	− 2	317 48 38.4	60 47.0	− 5	9.994 0346	776	7 26	17 4
8	572.5	9 10 43.502	1130	+ 2	318 49 25.4	60 45.9	+ 8	9.994 1122	790	7 24	17 5
9	573.5	9 14 40.057	1129	+ 6	319 50 11.3	60 44.8	+21	9.994 1912	801	7 23	17 7
10	574.5	9 18 36.612	+1129	+ 9	320 50 56.1		+31	9.994 2713		7 21	17 9

Tag	Wochentag	0h Welt-Zeit							
		Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
1937		m s	s	h m s	m s	° ′ ″	′ ″	s	′ ″
Febr. 10	Mi	+14 21.85	0.96	21 32 58.47	3 57.51	−14 32 58.3	19 29.1	67.29	16 14.27
11	Do	14 22.81	0.19	21 36 55.98	3 56.74	14 13 29.2	19 43.2	67.18	16 14.08
12	Fr	14 23.00	0.58	21 40 52.72	3 55.97	13 53 46.0	19 56.9	67.07	16 13.90
13	Sa	14 22.42	1.35	21 44 48.69	3 55.21	13 33 49.1	20 10.2	66.96	16 13.71
14	St	14 21.07	2.10	21 48 43.90	3 54.46	13 13 38.9	20 23.0	66.86	16 13.52
15	Mo	14 18.97	2.85	21 52 38.36	3 53.70	12 53 15.9	20 35.5	66.75	16 13.34
16	Di	+14 16.12	3.59	21 56 32.06	3 52.97	−12 32 40.4	20 47.3	66.64	16 13.14
17	Mi	14 12.53	4.31	22 0 25.03	3 52.24	12 11 53.1	20 58.9	66.54	16 12.94
18	Do	14 8.22	5.03	22 4 17.27	3 51.52	11 50 54.2	21 10.0	66.44	16 12.74
19	Fr	14 3.19	5.73	22 8 8.79	3 50.82	11 29 44.2	21 20.7	66.34	16 12.53
20	Sa	13 57.46	6.43	22 11 59.61	3 50.13	11 8 23.5	21 31.0	66.24	16 12.33
21	St	13 51.03	7.08	22 15 49.74	3 49.47	10 46 52.5	21 41.0	66.14	16 12.12
22	Mo	+13 43.95	7.74	22 19 39.21	3 48.82	−10 25 11.5	21 50.5	66.05	16 11.90
23	Di	13 36.21	8.37	22 23 28.03	3 48.18	10 3 21.0	21 59.7	65.96	16 11.69
24	Mi	13 27.84	8.98	22 27 16.21	3 47.57	9 41 21.3	22 8.4	65.87	16 11.46
25	Do	13 18.86	9.58	22 31 3.78	3 46.98	9 19 12.9	22 16.9	65.79	16 11.24
26	Fr	13 9.28	10.14	22 34 50.76	3 46.41	8 56 56.0	22 24.8	65.70	16 11.01
27	Sa	12 59.14	10.70	22 38 37.17	3 45.86	8 34 31.2	22 32.4	65.61	16 10.77
28	St	+12 48.44	11.22	22 42 23.03	3 45.33	− 8 11 58.8	22 39.8	65.53	16 10.53
März 1	Mo	12 37.22	11.73	22 46 8.36	3 44.82	7 49 19.0	22 46.6	65.45	16 10.29
2	Di	12 25.49	12.22	22 49 53.18	3 44.33	7 26 32.4	22 53.0	65.38	16 10.04
3	Mi	12 13.27	12.70	22 53 37.51	3 43.86	7 3 39.4	22 59.2	65.31	16 9.80
4	Do	12 0.57	13.14	22 57 21.37	3 43.41	6 40 40.2	23 4.8	65.24	16 9.55
5	Fr	11 47.43	13.57	23 1 4.78	3 42.98	6 17 35.4	23 10.2	65.17	16 9.29
6	Sa	+11 33.86	13.98	23 4 47.76	3 42.57	− 5 54 25.2	23 15.1	65.11	16 9.03
7	St	11 19.88	14.38	23 8 30.33	3 42.18	5 31 10.1	23 19.6	65.05	16 8.77
8	Mo	11 5.50	14.75	23 12 12.51	3 41.80	5 7 50.5	23 23.7	65.00	16 8.51
9	Di	10 50.75	15.09	23 15 54.31	3 41.46	4 44 26.8	23 27.5	64.94	16 8.25
10	Mi	10 35.66	15.44	23 19 35.77	3 41.12	4 20 59.3	23 30.8	64.88	16 7.98
11	Do	10 20.22	15.76	23 23 16.89	3 40.79	3 57 28.5	23 33.8	64.83	16 7.72
12	Fr	+10 4.46	16.06	23 26 57.68	3 40.49	− 3 33 54.7	23 36.3	64.78	16 7.46
13	Sa	9 48.40	16.35	23 30 38.17	3 40.21	3 10 18.4	23 38.4	64.74	16 7.19
14	St	9 32.05	16.62	23 34 18.38	3 39.93	2 46 40.0	23 40.0	64.70	16 6.93
15	Mo	9 15.43	16.88	23 37 58.31	3 39.67	2 23 0.0	23 41.4	64.66	16 6.67
16	Di	8 58.55	17.12	23 41 37.98	3 39.43	1 59 18.6	23 42.4	64.62	16 6.40
17	Mi	8 41.43	17.34	23 45 17.41	3 39.21	1 35 36.2	23 42.8	64.59	16 6.14
18	Do	+ 8 24.09	17.55	23 48 56.62	3 39.01	− 1 11 53.4	23 43.1	64.56	16 5.88
19	Fr	8 6.54	17.73	23 52 35.63	3 38.82	0 48 10.3	23 42.8	64.54	16 5.61
20	Sa	7 48.81	17.89	23 56 14.45	3 38.66	0 24 27.5	23 42.3	64.52	16 5.34
21	St	7 30.92	18.04	23 59 53.11	3 38.51	− 0 0 45.2	23 41.4	64.50	16 5.08
22	Mo	7 12.88	18.16	0 3 31.62	3 38.40	+ 0 22 56.2	23 40.2	64.48	16 4.81
23	Di	+ 6 54.72		0 7 10.02		+ 0 46 36.4		64.47	16 4.54

Tag	Julian. Zeit	Sternzeit	Nutation in AR. langp. Gl.	Nutation in AR. kurzp. Gl.	0h Welt-Zeit — Mittleres Äquinoktium 1937.0 — Länge		Breite	log R		Aufgang in {+50° Breite, 0h Länge}	Untergang in {+50° Breite, 0h Länge}
1937	2428	h m s	s in 0.001		° ′ ″	′ ″	″ in 0.01			h m	h m
Febr. 10	574.5	9 18 36.612	+1129	+ 9	320 50 56.1	60 43.5	+31	9.994 2713	813	7 21	17 9
11	575.5	9 22 33.166	1128	+ 9	321 51 39.6	60 42.1	+39	9.994 3526	824	7 19	17 11
12	576.5	9 26 29.721	1128	+ 7	322 52 21.7	60 40.7	+45	9.994 4350	835	7 17	17 13
13	577.5	9 30 26.275	1127	+ 2	323 53 2.4	60 39.1	+48	9.994 5185	844	7 16	17 14
14	578.5	9 34 22.830	1126	− 4	324 53 41.5	60 37.5	+47	9.994 6029	856	7 14	17 16
15	579.5	9 38 19.384	1125	− 9	325 54 19.0	60 35.8	+44	9.994 6885	867	7 12	17 18
16	580.5	9 42 15.939	+1124	−12	326 54 54.8	60 34.0	+38	9.994 7752	879	7 10	17 20
17	581.5	9 46 12.493	1123	−13	327 55 28.8	60 32.1	+29	9.994 8631	893	7 8	17 21
18	582.5	9 50 9.047	1121	−10	328 56 0.9	60 30.3	+18	9.994 9524	908	7 7	17 23
19	583.5	9 54 5.601	1120	− 5	329 56 31.2	60 28.4	+ 4	9.995 0432	924	7 5	17 24
20	584.5	9 58 2.155	1119	+ 2	330 56 59.6	60 26.5	−10	9.995 1356	940	7 3	17 26
21	585.5	10 1 58.709	1117	+ 9	331 57 26.1	60 24.6	−23	9.995 2296	959	7 1	17 28
22	586.5	10 5 55.262	+1116	+13	332 57 50.7	60 22.8	−35	9.995 3255	977	6 59	17 30
23	587.5	10 9 51.816	1114	+16	333 58 13.5	60 21.0	−45	9.995 4232	996	6 57	17 31
24	588.5	10 13 48.370	1112	+15	334 58 34.5	60 19.2	−54	9.995 5228	1015	6 55	17 33
25	589.5	10 17 44.923	1110	+12	335 58 53.7	60 17.5	−59	9.995 6243	1033	6 53	17 35
26	590.5	10 21 41.477	1108	+ 7	336 59 11.2	60 15.7	−62	9.995 7276	1052	6 51	17 37
27	591.5	10 25 38.030	1106	+ 1	337 59 26.9	60 14.2	−63	9.995 8328	1069	6 49	17 38
28	592.5	10 29 34.583	+1104	− 4	338 59 41.1	60 12.5	−60	9.995 9397	1086	6 47	17 40
März 1	593.5	10 33 31.137	1102	− 9	339 59 53.6	60 10.8	−55	9.996 0483	1101	6 45	17 41
2	594.5	10 37 27.690	1100	−11	341 0 4.4	60 9.3	−47	9.996 1584	1115	6 43	17 43
3	595.5	10 41 24.243	1098	−12	342 0 13.7	60 7.7	−37	9.996 2699	1129	6 41	17 45
4	596.5	10 45 20.796	1095	−10	343 0 21.4	60 6.2	−27	9.996 3828	1140	6 39	17 46
5	597.5	10 49 17.349	1093	− 7	344 0 27.6	60 4.5	−15	9.996 4968	1150	6 36	17 48
6	598.5	10 53 13.902	+1091	− 4	345 0 32.1	60 2.9	− 2	9.996 6118	1160	6 34	17 49
7	599.5	10 57 10.455	1088	+ 1	346 0 35.0	60 1.3	+10	9.996 7278	1167	6 32	17 51
8	600.5	11 1 7.008	1086	+ 4	347 0 36.3	59 59.6	+22	9.996 8445	1174	6 30	17 53
9	601.5	11 5 3.560	1083	+ 7	348 0 35.9	59 58.0	+32	9.996 9619	1178	6 28	17 54
10	602.5	11 9 0.113	1080	+ 8	349 0 33.9	59 56.2	+41	9.997 0797	1181	6 26	17 56
11	603.5	11 12 56.666	1078	+ 7	350 0 30.1	59 54.4	+47	9.997 1978	1183	6 24	17 57
12	604.5	11 16 53.219	+1075	+ 3	351 0 24.5	59 52.5	+50	9.997 3161	1184	6 22	17 59
13	605.5	11 20 49.771	1072	− 2	352 0 17.0	59 50.5	+50	9.997 4345	1184	6 20	18 1
14	606.5	11 24 46.324	1070	− 7	353 0 7.5	59 48.4	+47	9.997 5529	1185	6 18	18 2
15	607.5	11 28 42.876	1067	−11	353 59 55.9	59 46.3	+40	9.997 6714	1185	6 15	18 4
16	608.5	11 32 39.429	1064	−12	354 59 42.2	59 44.1	+31	9.997 7899	1186	6 13	18 5
17	609.5	11 36 35.982	1061	−11	355 59 26.3	59 41.8	+20	9.997 9085	1188	6 11	18 7
18	610.5	11 40 32.534	+1059	− 6	356 59 8.1	59 39.5	+ 8	9.998 0273	1192	6 9	18 9
19	611.5	11 44 29.087	1056	0	357 58 47.6	59 37.2	− 5	9.998 1465	1195	6 7	18 10
20	612.5	11 48 25.639	1053	+ 7	358 58 24.8	59 34.8	−18	9.998 2660	1201	6 4	18 12
21	613.5	11 52 22.192	1050	+13	359 57 59.6	59 32.6	−31	9.998 3861	1207	6 2	18 13
22	614.5	11 56 18.744	1047	+17	0 57 32.2	59 30.2	−42	9.998 5068	1213	6 0	18 15
23	615.5	12 0 15.297	+1044	+17	1 57 2.4		−50	9.998 6281		5 58	18 17

Tag	Wochentag	0h Welt-Zeit							
		Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
1937		m s	s	h m s	m s	° ′ ″	′ ″	s	′ ″
März 23	Di	+6 54.72	18.25	0 7 10.02	3 38.29	+ 0 46 36.4	23 38.6	64.47	16 4.54
24	Mi	6 36.47	18.33	0 10 48.31	3 38.23	1 10 15.0	23 36.7	64.46	16 4.27
25	Do	6 18.14	18.38	0 14 26.54	3 38.17	1 33 51.7	23 34.4	64.45	16 4.00
26	Fr	5 59.76	18.41	0 18 4.71	3 38.15	1 57 26.1	23 31.9	64.44	16 3.73
27	Sa	5 41.35	18.41	0 21 42.86	3 38.14	2 20 58.0	23 28.9	64.44	16 3.45
28	St	5 22.94	18.40	0 25 21.00	3 38.16	2 44 26.9	23 25.7	64.44	16 3.17
29	Mo	+5 4.54	18.34	0 28 59.16	3 38.20	+ 3 7 52.6	23 22.2	64.44	16 2.89
30	Di	4 46.20	18.29	0 32 37.36	3 38.27	3 31 14.8	23 18.1	64.45	16 2.61
31	Mi	4 27.91	18.20	0 36 15.63	3 38.35	3 54 32.9	23 14.0	64.46	16 2.33
April 1	Do	4 9.71	18.08	0 39 53.98	3 38.47	4 17 46.9	23 9.3	64.47	16 2.04
2	Fr	3 51.63	17.96	0 43 32.45	3 38.59	4 40 56.2	23 4.4	64.49	16 1.76
3	Sa	3 33.67	17.81	0 47 11.04	3 38.75	5 4 0.6	22 59.1	64.51	16 1.48
4	St	+3 15.86	17.64	0 50 49.79	3 38.91	+ 5 26 59.7	22 53.4	64.53	16 1.20
5	Mo	2 58.22	17.46	0 54 28.70	3 39.10	5 49 53.1	22 47.5	64.56	16 0.92
6	Di	2 40.76	17.24	0 58 7.80	3 39.31	6 12 40.6	22 41.2	64.59	16 0.63
7	Mi	2 23.52	17.02	1 1 47.11	3 39.53	6 35 21.8	22 34.4	64.62	16 0.35
8	Do	2 6.50	16.78	1 5 26.64	3 39.77	6 57 56.2	22 27.4	64.65	16 0.07
9	Fr	1 49.72	16.52	1 9 6.41	3 40.03	7 20 23.6	22 19.9	64.68	15 59.79
10	Sa	+1 33.20	16.26	1 12 46.44	3 40.29	+ 7 42 43.5	22 12.2	64.72	15 59.52
11	St	1 16.94	15.98	1 16 26.73	3 40.58	8 4 55.7	22 4.0	64.76	15 59.24
12	Mo	1 0.96	15.69	1 20 7.31	3 40.86	8 26 59.7	21 55.5	64.80	15 58.97
13	Di	0 45.27	15.39	1 23 48.17	3 41.17	8 48 55.2	21 46.6	64.84	15 58.71
14	Mi	0 29.88	15.07	1 27 29.34	3 41.48	9 10 41.8	21 37.4	64.89	15 58.44
15	Do	0 14.81	14.74	1 31 10.82	3 41.81	9 32 19.2	21 27.8	64.94	15 58.17
16	Fr	+0 0.07	14.41	1 34 52.63	3 42.15	+ 9 53 47.0	21 17.9	64.99	15 57.90
17	Sa	−0 14.34	14.05	1 38 34.78	3 42.50	10 15 4.9	21 7.7	65.04	15 57.64
18	St	0 28.39	13.68	1 42 17.28	3 42.87	10 36 12.6	20 57.1	65.09	15 57.39
19	Mo	0 42.07	13.31	1 46 0.15	3 43.25	10 57 9.7	20 46.2	65.15	15 57.13
20	Di	0 55.38	12.90	1 49 43.40	3 43.65	11 17 55.9	20 35.0	65.21	15 56.87
21	Mi	1 8.28	12.49	1 53 27.05	3 44.07	11 38 30.9	20 23.5	65.28	15 56.62
22	Do	−1 20.77	12.06	1 57 11.12	3 44.49	+11 58 54.4	20 11.6	65.34	15 56.36
23	Fr	1 32.83	11.61	2 0 55.61	3 44.94	12 19 6.0	19 59.5	65.41	15 56.11
24	Sa	1 44.44	11.16	2 4 40.55	3 45.40	12 39 5.5	19 47.0	65.48	15 55.86
25	St	1 55.60	10.69	2 8 25.95	3 45.87	12 58 52.5	19 34.2	65.55	15 55.61
26	Mo	2 6.29	10.19	2 12 11.82	3 46.36	13 18 26.7	19 21.2	65.62	15 55.36
27	Di	2 16.48	9.70	2 15 58.18	3 46.86	13 37 47.9	19 7.8	65.69	15 55.10
28	Mi	−2 26.18	9.17	2 19 45.04	3 47.38	+13 56 55.7	18 54.1	65.76	15 54.85
29	Do	2 35.35	8.66	2 23 32.42	3 47.89	14 15 49.8	18 40.0	65.83	15 54.61
30	Fr	2 44.01	8.12	2 27 20.31	3 48.44	14 34 29.8	18 25.7	65.91	15 54.36
Mai 1	Sa	2 52.13	7.57	2 31 8.75	3 48.98	14 52 55.5	18 11.1	65.98	15 54.11
2	St	2 59.70	7.02	2 34 57.73	3 49.54	15 11 6.6	17 56.0	66.06	15 53.87
3	Mo	−3 6.72		2 38 47.27		+15 29 2.6		66.14	15 53.63

Tag	0h Welt-Zeit Julian. Zeit	Sternzeit	Nutation in AR. langp. Gl.	kurzp. Gl.	Mittleres Äquinoktium 1937.0 Länge		Breite	log R		Aufgang in {+50° Breite, 0h Länge}	Untergang
1937	2428	h m s	s in 0.001		° ′ ″	′ ″	″ in 0.01			h m	h m
März 23	615.5	12 0 15.297	+1044	+17	1 57 2.4	59 28.0	−50	9.998 6281	1221	5 58	18 17
24	616.5	12 4 11.849	1041	+14	2 56 30.4	59 25.8	−56	9.998 7502	1229	5 56	18 18
25	617.5	12 8 8.402	1039	+ 9	3 55 56.2	59 23.7	−59	9.998 8731	1237	5 53	18 20
26	618.5	12 12 4.954	1036	+ 3	4 55 19.9	59 21.6	−60	9.998 9968	1245	5 51	18 21
27	619.5	12 16 1.507	1033	− 2	5 54 41.5	59 19.5	−58	9.999 1213	1252	5 49	18 23
28	620.5	12 19 58.059	1030	− 7	6 54 1.0	59 17.5	−53	9.999 2465	1258	5 47	18 25
29	621.5	12 23 54.612	+1028	−10	7 53 18.5	59 15.5	−46	9.999 3723	1265	5 45	18 26
30	622.5	12 27 51.165	1025	−12	8 52 34.0	59 13.7	−37	9.999 4988	1270	5 42	18 28
31	623.5	12 31 47.717	1022	−11	9 51 47.7	59 11.8	−26	9.999 6258	1274	5 40	18 29
April 1	624.5	12 35 44.270	1019	− 9	10 50 59.5	59 9.9	−14	9.999 7532	1277	5 38	18 31
2	625.5	12 39 40.823	1017	− 5	11 50 9.4	59 8.1	− 2	9.999 8809	1279	5 36	18 33
3	626.5	12 43 37.375	1014	− 1	12 49 17.5	59 6.4	+ 9	0.000 0088	1279	5 34	18 34
4	627.5	12 47 33.928	+1012	+ 2	13 48 23.9	59 4.6	+21	0.000 1367	1279	5 31	18 36
5	628.5	12 51 30.481	1009	+ 6	14 47 28.5	59 2.8	+31	0.000 2646	1276	5 29	18 37
6	629.5	12 55 27.034	1006	+ 7	15 46 31.3	59 1.1	+40	0.000 3922	1272	5 27	18 39
7	630.5	12 59 23.587	1004	+ 7	16 45 32.4	58 59.2	+46	0.000 5194	1266	5 25	18 40
8	631.5	13 3 20.140	1002	+ 4	17 44 31.6	58 57.5	+49	0.000 6460	1258	5 23	18 42
9	632.5	13 7 16.693	999	− 1	18 43 29.1	58 55.6	+50	0.000 7718	1251	5 21	18 43
10	633.5	13 11 13.246	+ 997	− 6	19 42 24.7	58 53.7	+47	0.000 8969	1240	5 19	18 45
11	634.5	13 15 9.799	995	−11	20 41 18.4	58 51.7	+41	0.001 0209	1230	5 17	18 46
12	635.5	13 19 6.352	992	−13	21 40 10.1	58 49.6	+32	0.001 1439	1218	5 15	18 48
13	636.5	13 23 2.905	990	−12	22 38 59.7	58 47.5	+21	0.001 2657	1208	5 13	18 49
14	637.5	13 26 59.459	988	− 8	23 37 47.2	58 45.3	+ 7	0.001 3865	1198	5 10	18 51
15	638.5	13 30 56.012	986	− 2	24 36 32.5	58 43.1	− 8	0.001 5063	1189	5 8	18 52
16	639.5	13 34 52.565	+ 984	+ 6	25 35 15.6	58 40.8	−22	0.001 6252	1181	5 6	18 54
17	640.5	13 38 49.119	983	+12	26 33 56.4	58 38.6	−34	0.001 7433	1174	5 4	18 56
18	641.5	13 42 45.673	981	+17	27 32 35.0	58 36.3	−46	0.001 8607	1167	5 2	18 57
19	642.5	13 46 42.226	979	+18	28 31 11.3	58 34.1	−55	0.001 9774	1163	5 0	18 59
20	643.5	13 50 38.780	978	+16	29 29 45.4	58 31.9	−62	0.002 0937	1159	4 58	19 0
21	644.5	13 54 35.334	976	+12	30 28 17.3	58 29.9	−67	0.002 2096	1155	4 56	19 2
22	645.5	13 58 31.888	+ 974	+ 6	31 26 47.2	58 27.7	−69	0.002 3251	1152	4 54	19 4
23	646.5	14 2 28.442	973	0	32 25 14.9	58 25.7	−68	0.002 4403	1149	4 52	19 5
24	647.5	14 6 24.996	972	− 6	33 23 40.6	58 23.8	−63	0.002 5552	1145	4 51	19 7
25	648.5	14 10 21.550	970	− 9	34 22 4.4	58 21.9	−57	0.002 6697	1143	4 49	19 8
26	649.5	14 14 18.104	969	−10	35 20 26.3	58 20.1	−48	0.002 7840	1139	4 47	19 10
27	650.5	14 18 14.658	968	−10	36 18 46.4	58 18.3	−38	0.002 8979	1135	4 45	19 12
28	651.5	14 22 11.213	+ 967	− 9	37 17 4.7	58 16.6	−26	0.003 0114	1130	4 43	19 13
29	652.5	14 26 7.767	966	− 6	38 15 21.3	58 15.0	−14	0.003 1244	1125	4 42	19 15
30	653.5	14 30 4.321	965	− 2	39 13 36.3	58 13.4	− 2	0.003 2369	1119	4 40	19 16
Mai 1	654.5	14 34 0.876	965	+ 2	40 11 49.7	58 11.9	+10	0.003 3488	1111	4 38	19 18
2	655.5	14 37 57.431	964	+ 5	41 10 1.6	58 10.4	+20	0.003 4599	1103	4 36	19 19
3	656.5	14 41 53.986	+ 963	+ 7	42 8 12.0		+29	0.003 5702		4 34	19 21

Tag		Wochentag	Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
			0ʰ Welt-Zeit							
1937			m s	s	h m s	m s	° ′ ″	′ ″	s	′ ″
Mai	3	Mo	−3 6.72	6.44	2 38 47.27	3 50.11	+15 29 2.6	17 40.8	66.14	15 53.63
	4	Di	3 13.16	5.88	2 42 37.38	3 50.67	15 46 43.4	17 25.2	66.22	15 53.39
	5	Mi	3 19.04	5.30	2 46 28.05	3 51.26	16 4 8.6	17 9.3	66.30	15 53.15
	6	Do	3 24.34	4.72	2 50 19.31	3 51.83	16 21 17.9	16 53.0	66.39	15 52.91
	7	Fr	3 29.06	4.14	2 54 11.14	3 52.43	16 38 10.9	16 36.5	66.47	15 52.68
	8	Sa	3 33.20	3.55	2 58 3.57	3 53.00	16 54 47.4	16 19.6	66.55	15 52.46
	9	St	−3 36.75	2.97	3 1 56.57	3 53.58	+17 11 7.0	16 2.3	66.63	15 52.24
	10	Mo	3 39.72	2.40	3 5 50.15	3 54.16	17 27 9.3	15 44.9	66.71	15 52.02
	11	Di	3 42.12	1.82	3 9 44.31	3 54.74	17 42 54.2	15 27.1	66.79	15 51.80
	12	Mi	3 43.94	1.25	3 13 39.05	3 55.30	17 58 21.3	15 8.9	66.88	15 51.59
	13	Do	3 45.19	0.70	3 17 34.35	3 55.86	18 13 30.2	14 50.6	66.96	15 51.38
	14	Fr	3 45.89	0.13	3 21 30.21	3 56.42	18 28 20.8	14 31.8	67.04	15 51.18
	15	Sa	−3 46.02	0.41	3 25 26.63	3 56.97	+18 42 52.6	14 12.8	67.12	15 50.98
	16	St	3 45.61	0.96	3 29 23.60	3 57.51	18 57 5.4	13 53.6	67.20	15 50.79
	17	Mo	3 44.65	1.50	3 33 21.11	3 58.06	19 10 59.0	13 34.1	67.28	15 50.60
	18	Di	3 43.15	2.05	3 37 19.17	3 58.60	19 24 33.1	13 14.2	67.36	15 50.41
	19	Mi	3 41.10	2.57	3 41 17.77	3 59.13	19 37 47.3	12 54.3	67.44	15 50.23
	20	Do	3 38.53	3.11	3 45 16.90	3 59.67	19 50 41.6	12 34.0	67.52	15 50.05
	21	Fr	−3 35.42	3.64	3 49 16.57	4 0.19	+20 3 15.6	12 13.4	67.59	15 49.87
	22	Sa	3 31.78	4.15	3 53 16.76	4 0.71	20 15 29.0	11 52.6	67.67	15 49.69
	23	St	3 27.63	4.67	3 57 17.47	4 1.23	20 27 21.6	11 31.7	67.75	15 49.52
	24	Mo	3 22.96	5.18	4 1 18.70	4 1.73	20 38 53.3	11 10.4	67.82	15 49.35
	25	Di	3 17.78	5.68	4 5 20.43	4 2.24	20 50 3.7	10 49.0	67.89	15 49.18
	26	Mi	3 12.10	6.18	4 9 22.67	4 2.74	21 0 52.7	10 27.3	67.96	15 49.01
	27	Do	−3 5.92	6.67	4 13 25.41	4 3.22	+21 11 20.0	10 5.4	68.03	15 48.85
	28	Fr	2 59.25	7.14	4 17 28.63	4 3.70	21 21 25.4	9 43.2	68.10	15 48.69
	29	Sa	2 52.11	7.61	4 21 32.33	4 4.17	21 31 8.6	9 21.0	68.16	15 48.54
	30	St	2 44.50	8.06	4 25 36.50	4 4.62	21 40 29.6	8 58.4	68.22	15 48.38
	31	Mo	2 36.44	8.51	4 29 41.12	4 5.06	21 49 28.0	8 35.7	68.28	15 48.23
Juni	1	Di	2 27.93	8.94	4 33 46.18	4 5.50	21 58 3.7	8 12.8	68.34	15 48.08
	2	Mi	−2 18.99	9.35	4 37 51.68	4 5.91	+22 6 16.5	7 49.8	68.40	15 47.93
	3	Do	2 9.64	9.76	4 41 57.59	4 6.31	22 14 6.3	7 26.4	68.45	15 47.79
	4	Fr	1 59.88	10.14	4 46 3.90	4 6.69	22 21 32.7	7 3.0	68.50	15 47.65
	5	Sa	1 49.74	10.49	4 50 10.59	4 7.06	22 28 35.7	6 39.5	68.55	15 47.51
	6	St	1 39.25	10.84	4 54 17.65	4 7.39	22 35 15.2	6 15.7	68.60	15 47.39
	7	Mo	1 28.41	11.15	4 58 25.04	4 7.71	22 41 30.9	5 51.8	68.65	15 47.27
	8	Di	−1 17.26	11.44	5 2 32.75	4 7.99	+22 47 22.7	5 27.8	68.69	15 47.15
	9	Mi	1 5.82	11.70	5 6 40.74	4 8.26	22 52 50.5	5 3.6	68.73	15 47.04
	10	Do	0 54.12	11.94	5 10 49.00	4 8.50	22 57 54.1	4 39.5	68.76	15 46.93
	11	Fr	0 42.18	12.14	5 14 57.50	4 8.70	23 2 33.6	4 15.1	68.79	15 46.83
	12	Sa	0 30.04	12.33	5 19 6.20	4 8.89	23 6 48.7	3 50.7	68.82	15 46.73
	13	St	−0 17.71		5 23 15.09		+23 10 39.4		68.85	15 46.64

Tag	Julian. Zeit	Sternzeit	Nutation in AR. langp. Gl.	Nutation in AR. kurzp. Gl.	Mittleres Äquinoktium 1937.0 Länge		Breite	log R		Aufgang	Untergang
										in {+50° Breite, 0ʰ Länge	
1937	2428	h m s	s in 0.001		° ′ ″	′ ″	″ in 0.01			h m	h m
Mai 3	656.5	14 41 53.986	+ 963	+ 7	42 8 12.0	58 9.0	+29	0.003 5702	1093	4 34	19 21
4	657.5	14 45 50.540	963	+ 6	43 6 21.0	58 7.5	+35	0.003 6795	1081	4 33	19 22
5	658.5	14 49 47.095	962	+ 4	44 4 28.5	58 6.1	+38	0.003 7876	1069	4 31	19 24
6	659.5	14 53 43.650	962	− 1	45 2 34.6	58 4.8	+39	0.003 8945	1053	4 29	19 25
7	660.5	14 57 40.206	962	− 6	46 0 39.4	58 3.4	+36	0.003 9998	1037	4 27	19 27
8	661.5	15 1 36.761	962	−10	46 58 42.8	58 1.9	+31	0.004 1035	1020	4 26	19 28
9	662.5	15 5 33.316	+ 962	−13	47 56 44.7	58 0.5	+22	0.004 2055	1000	4 24	19 30
10	663.5	15 9 29.871	962	−14	48 54 45.2	57 58.9	+10	0.004 3055	980	4 23	19 31
11	664.5	15 13 26.427	962	−11	49 52 44.1	57 57.3	− 3	0.004 4035	961	4 21	19 33
12	665.5	15 17 22.982	962	− 5	50 50 41.4	57 55.7	−17	0.004 4996	941	4 19	19 34
13	666.5	15 21 19.538	962	+ 2	51 48 37.1	57 53.9	−31	0.004 5937	921	4 18	19 36
14	667.5	15 25 16.094	962	+ 9	52 46 31.0	57 52.3	−46	0.004 6858	903	4 16	19 37
15	668.5	15 29 12.650	+ 963	+15	53 44 23.3	57 50.5	−60	0.004 7761	886	4 15	19 39
16	669.5	15 33 9.205	963	+18	54 42 13.8	57 48.7	−70	0.004 8647	870	4 13	19 40
17	670.5	15 37 5.761	964	+17	55 40 2.5	57 47.1	−77	0.004 9517	855	4 12	19 41
18	671.5	15 41 2.317	965	+14	56 37 49.6	57 45.3	−83	0.005 0372	841	4 11	19 42
19	672.5	15 44 58.874	965	+ 9	57 35 34.9	57 43.8	−86	0.005 1213	828	4 9	19 44
20	673.5	15 48 55.430	966	+ 2	58 33 18.7	57 42.2	−85	0.005 2041	816	4 8	19 45
21	674.5	15 52 51.986	+ 967	− 3	59 31 0.9	57 40.6	−81	0.005 2857	804	4 7	19 46
22	675.5	15 56 48.542	968	− 7	60 28 41.5	57 39.2	−75	0.005 3661	793	4 6	19 47
23	676.5	16 0 45.099	969	−10	61 26 20.7	57 37.8	−66	0.005 4454	781	4 5	19 49
24	677.5	16 4 41.655	970	−10	62 23 58.5	57 36.5	−56	0.005 5235	771	4 3	19 50
25	678.5	16 8 38.211	971	− 9	63 21 35.0	57 35.3	−44	0.005 6006	759	4 2	19 52
26	679.5	16 12 34.768	973	− 6	64 19 10.3	57 34.2	−32	0.005 6765	747	4 1	19 53
27	680.5	16 16 31.325	+ 974	− 2	65 16 44.5	57 33.0	−20	0.005 7512	737	4 0	19 54
28	681.5	16 20 27.882	975	+ 1	66 14 17.5	57 32.0	− 8	0.005 8249	724	3 59	19 55
29	682.5	16 24 24.438	977	+ 5	67 11 49.5	57 31.1	+ 3	0.005 8973	711	3 59	19 56
30	683.5	16 28 20.995	978	+ 7	68 9 20.6	57 30.2	+12	0.005 9684	697	3 58	19 57
31	684.5	16 32 17.552	980	+ 7	69 6 50.8	57 29.4	+19	0.006 0381	682	3 57	19 58
Juni 1	685.5	16 36 14.109	981	+ 5	70 4 20.2	57 28.7	+24	0.006 1063	667	3 56	19 59
2	686.5	16 40 10.666	+ 983	+ 1	71 1 48.9	57 27.9	+26	0.006 1730	649	3 55	20 0
3	687.5	16 44 7.223	985	− 4	71 59 16.8	57 27.3	+25	0.006 2379	630	3 55	20 1
4	688.5	16 48 3.780	986	−10	72 56 44.1	57 26.6	+21	0.006 3009	609	3 54	20 2
5	689.5	16 52 0.337	988	−13	73 54 10.7	57 26.0	+13	0.006 3618	587	3 53	20 3
6	690.5	16 55 56.895	990	−15	74 51 36.7	57 25.3	+ 3	0.006 4205	564	3 53	20 4
7	691.5	16 59 53.452	992	−13	75 49 2.0	57 24.6	− 9	0.006 4769	539	3 52	20 5
8	692.5	17 3 50.009	+ 994	− 9	76 46 26.6	57 23.8	−23	0.006 5308	513	3 52	20 5
9	693.5	17 7 46.567	996	− 2	77 43 50.4	57 23.1	−38	0.006 5821	488	3 51	20 6
10	694.5	17 11 43.124	998	+ 6	78 41 13.5	57 22.2	−53	0.006 6309	463	3 51	20 7
11	695.5	17 15 39.681	1000	+13	79 38 35.7	57 21.3	−67	0.006 6772	437	3 51	20 8
12	696.5	17 19 36.239	1002	+17	80 35 57.0	57 20.4	−78	0.006 7209	414	3 51	20 8
13	697.5	17 23 32.796	+1004	+17	81 33 17.4		−87	0.006 7623		3 50	20 9

Tag	Wochentag	0ʰ Welt-Zeit: Zeitgleichung (Mittlere Zeit *minus* Wahre Zeit)		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
1937		m s	s	h m s	m s	° ′ ″	′ ″	s	′ ″
Juni 13	St	−0 17.71	12.49	5 23 15.09	4 9.05	+23 10 39.4	3 26.2	68.85	15 46.64
14	Mo	−0 5.22	12.62	5 27 24.14	4 9.18	23 14 5.6	3 1.6	68.87	15 46.56
15	Di	+0 7.40	12.74	5 31 33.32	4 9.29	23 17 7.2	2 37.0	68.88	15 46.48
16	Mi	0 20.14	12.82	5 35 42.61	4 9.38	23 19 44.2	2 12.4	68.90	15 46.40
17	Do	0 32.96	12.89	5 39 51.99	4 9.45	23 21 56.6	1 47.6	68.92	15 46.33
18	Fr	0 45.85	12.94	5 44 1.44	4 9.49	23 23 44.2	1 22.9	68.93	15 46.26
19	Sa	+0 58.79	12.96	5 48 10.93	4 9.51	+23 25 7.1	0 58.1	68.94	15 46.20
20	St	1 11.75	12.96	5 52 20.44	4 9.52	23 26 5.2	0 33.4	68.94	15 46.14
21	Mo	1 24.71	12.94	5 56 29.96	4 9.50	23 26 38.6	0 8.6	68.94	15 46.08
22	Di	1 37.65	12.90	6 0 39.46	4 9.46	23 26 47.2	0 16.2	68.94	15 46.03
23	Mi	1 50.55	12.85	6 4 48.92	4 9.40	23 26 31.0	0 40.9	68.93	15 45.98
24	Do	2 3.40	12.76	6 8 58.32	4 9.32	23 25 50.1	1 5.7	68.92	15 45.93
25	Fr	+2 16.16	12.66	6 13 7.64	4 9.23	+23 24 44.4	1 30.5	68.91	15 45.89
26	Sa	2 28.82	12.55	6 17 16.87	4 9.10	23 23 13.9	1 55.1	68.90	15 45.85
27	St	2 41.37	12.40	6 21 25.97	4 8.96	23 21 18.8	2 19.8	68.88	15 45.81
28	Mo	2 53.77	12.25	6 25 34.93	4 8.81	23 18 59.0	2 44.3	68.85	15 45.78
29	Di	3 6.02	12.07	6 29 43.74	4 8.63	23 16 14.7	3 8.9	68.83	15 45.74
30	Mi	3 18.09	11.87	6 33 52.37	4 8.43	23 13 5.8	3 33.3	68.80	15 45.72
Juli 1	Do	+3 29.96	11.66	6 38 0.80	4 8.21	+23 9 32.5	3 57.7	68.77	15 45.70
2	Fr	3 41.62	11.42	6 42 9.01	4 7.97	23 5 34.8	4 21.9	68.73	15 45.68
3	Sa	3 53.04	11.15	6 46 16.98	4 7.71	23 1 12.9	4 46.2	68.69	15 45.66
4	St	4 4.19	10.87	6 50 24.69	4 7.43	22 56 26.7	5 10.1	68.65	15 45.65
5	Mo	4 15.06	10.56	6 54 32.12	4 7.12	22 51 16.6	5 34.1	68.61	15 45.65
6	Di	4 25.62	10.23	6 58 39.24	4 6.79	22 45 42.5	5 57.8	68.57	15 45.65
7	Mi	+4 35.85	9.88	7 2 46.03	4 6.43	+22 39 44.7	6 21.4	68.52	15 45.66
8	Do	4 45.73	9.49	7 6 52.46	4 6.05	22 33 23.3	6 44.9	68.47	15 45.67
9	Fr	4 55.22	9.10	7 10 58.51	4 5.65	22 26 38.4	7 8.1	68.41	15 45.69
10	Sa	5 4.32	8.66	7 15 4.16	4 5.23	22 19 30.3	7 31.1	68.35	15 45.72
11	St	5 12.98	8.22	7 19 9.39	4 4.77	22 11 59.2	7 54.1	68.29	15 45.75
12	Mo	5 21.20	7.76	7 23 14.16	4 4.31	22 4 5.1	8 16.7	68.23	15 45.79
13	Di	+5 28.96	7.27	7 27 18.47	4 3.84	+21 55 48.4	8 39.2	68.17	15 45.83
14	Mi	5 36.23	6.78	7 31 22.31	4 3.33	21 47 9.2	9 1.5	68.10	15 45.88
15	Do	5 43.01	6.27	7 35 25.64	4 2.83	21 38 7.7	9 23.6	68.03	15 45.93
16	Fr	5 49.28	5.74	7 39 28.47	4 2.30	21 28 44.1	9 45.5	67.96	15 45.98
17	Sa	5 55.02	5.21	7 43 30.77	4 1.76	21 18 58.6	10 7.1	67.88	15 46.05
18	St	6 0.23	4.67	7 47 32.53	4 1.23	21 8 51.5	10 28.5	67.81	15 46.11
19	Mo	+6 4.90	4.11	7 51 33.76	4 0.66	+20 58 23.0	10 49.7	67.74	15 46.18
20	Di	6 9.01	3.55	7 55 34.42	4 0.11	20 47 33.3	11 10.8	67.66	15 46.24
21	Mi	6 12.56	2.98	7 59 34.53	3 59.54	20 36 22.5	11 31.5	67.58	15 46.32
22	Do	6 15.54	2.42	8 3 34.07	3 58.97	20 24 51.0	11 52.0	67.50	15 46.39
23	Fr	6 17.96	1.83	8 7 33.04	3 58.39	20 12 59.0	12 12.3	67.42	15 46.48
24	Sa	+6 19.79		8 11 31.43		+20 0 46.7		67.34	15 46.56

Tag	Julian. Zeit	Sternzeit	Nutation in AR. langp. Gl.	Nutation in AR. kurzp. Gl.	Mittleres Äquinoktium 1937.0 Länge		Breite	log R		Aufgang (in +50° Breite, 0h Länge)	Untergang (in +50° Breite, 0h Länge)
1937	2428	h m s	s in 0.001		° ′ ″	′ ″	″ in 0.01			h m	h m
Juni 13	697.5	17 23 32.796	+1004	+17	81 33 17.4	57 19.4	−87	0.006 7623	391	3 50	20 9
14	698.5	17 27 29.354	1006	+15	82 30 36.8	57 18.5	−92	0.006 8014	369	3 50	20 9
15	699.5	17 31 25.911	1008	+10	83 27 55.3	57 17.7	−95	0.006 8383	349	3 50	20 10
16	700.5	17 35 22.469	1010	+ 5	84 25 13.0	57 16.8	−95	0.006 8732	330	3 50	20 10
17	701.5	17 39 19.026	1013	− 1	85 22 29.8	57 15.9	−93	0.006 9062	311	3 50	20 11
18	702.5	17 43 15.584	1015	− 6	86 19 45.7	57 15.3	−88	0.006 9373	294	3 50	20 11
19	703.5	17 47 12.141	+1017	− 9	87 17 1.0	57 14.5	−79	0.006 9667	278	3 50	20 12
20	704.5	17 51 8.699	1019	−10	88 14 15.5	57 13.9	−69	0.006 9945	261	3 50	20 12
21	705.5	17 55 5.256	1021	− 9	89 11 29.4	57 13.3	−57	0.007 0206	246	3 50	20 12
22	706.5	17 59 1.814	1023	− 6	90 8 42.7	57 12.9	−45	0.007 0452	231	3 50	20 12
23	707.5	18 2 58.371	1025	− 3	91 5 55.6	57 12.5	−32	0.007 0683	215	3 51	20 13
24	708.5	18 6 54.929	1028	+ 1	92 3 8.1	57 12.1	−19	0.007 0898	201	3 51	20 13
25	709.5	18 10 51.486	+1030	+ 4	93 0 20.2	57 11.9	− 8	0.007 1099	186	3 51	20 13
26	710.5	18 14 48.044	1032	+ 7	93 57 32.1	57 11.7	+ 2	0.007 1285	171	3 52	20 13
27	711.5	18 18 44.601	1034	+ 8	94 54 43.8	57 11.6	+11	0.007 1456	156	3 52	20 13
28	712.5	18 22 41.159	1036	+ 7	95 51 55.4	57 11.7	+16	0.007 1612	139	3 53	20 13
29	713.5	18 26 37.716	1038	+ 3	96 49 7.1	57 11.7	+19	0.007 1751	122	3 53	20 13
30	714.5	18 30 34.274	1041	− 2	97 46 18.8	57 11.9	+19	0.007 1873	103	3 54	20 13
Juli 1	715.5	18 34 30.831	+1043	− 7	98 43 30.7	57 12.0	+16	0.007 1976	84	3 55	20 13
2	716.5	18 38 27.389	1045	−12	99 40 42.7	57 12.3	+ 9	0.007 2060	63	3 55	20 12
3	717.5	18 42 23.946	1047	−15	100 37 55.0	57 12.6	− 1	0.007 2123	41	3 56	20 12
4	718.5	18 46 20.503	1049	−15	101 35 7.6	57 12.8	−13	0.007 2164	16	3 56	20 11
5	719.5	18 50 17.061	1050	−11	102 32 20.4	57 13.0	−26	0.007 2180	−9	3 57	20 11
6	720.5	18 54 13.618	1052	− 5	103 29 33.4	57 13.3	−40	0.007 2171	35	3 58	20 10
7	721.5	18 58 10.175	+1054	+ 2	104 26 46.7	57 13.5	−54	0.007 2136	62	3 59	20 10
8	722.5	19 2 6.732	1056	+ 9	105 24 0.2	57 13.6	−68	0.007 2074	89	3 59	20 9
9	723.5	19 6 3.290	1058	+15	106 21 13.8	57 13.7	−79	0.007 1985	116	4 0	20 9
10	724.5	19 9 59.847	1060	+17	107 18 27.5	57 13.8	−88	0.007 1869	142	4 1	20 8
11	725.5	19 13 56.404	1061	+15	108 15 41.3	57 13.8	−95	0.007 1727	167	4 2	20 7
12	726.5	19 17 52.961	1063	+12	109 12 55.1	57 13.8	−98	0.007 1560	191	4 3	20 6
13	727.5	19 21 49.518	+1065	+ 6	110 10 8.9	57 13.8	−98	0.007 1369	215	4 4	20 6
14	728.5	19 25 46.075	1066	+ 1	111 7 22.7	57 13.9	−95	0.007 1154	236	4 5	20 5
15	729.5	19 29 42.631	1068	− 4	112 4 36.6	57 14.0	−90	0.007 0918	256	4 6	20 4
16	730.5	19 33 39.188	1069	− 8	113 1 50.6	57 14.1	−83	0.007 0662	276	4 7	20 3
17	731.5	19 37 35.745	1070	− 9	113 59 4.7	57 14.2	−74	0.007 0386	294	4 8	20 2
18	732.5	19 41 32.302	1072	− 9	114 56 18.9	57 14.5	−62	0.007 0092	311	4 10	20 1
19	733.5	19 45 28.858	+1073	− 7	115 53 33.4	57 14.8	−49	0.006 9781	328	4 11	20 0
20	734.5	19 49 25.415	1074	− 4	116 50 48.2	57 15.0	−36	0.006 9453	343	4 12	19 59
21	735.5	19 53 21.971	1075	0	117 48 3.2	57 15.5	−23	0.006 9110	359	4 13	19 58
22	736.5	19 57 18.528	1076	+ 4	118 45 18.7	57 16.0	−11	0.006 8751	373	4 15	19 57
23	737.5	20 1 15.084	1077	+ 7	119 42 34.7	57 16.5	0	0.006 8378	387	4 16	19 55
24	738.5	20 5 11.640	+1078	+ 9	120 39 51.2		+ 9	0.006 7991		4 18	19 54

Tag	Wochentag	0h Welt-Zeit							
		Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
1937		m s	s	h m s	m s	° ′ ″	′ ″	s	′ ″
Juli 24	Sa	+6 19.79	1.26	8 11 31.43	3 57.82	+20 0 46.7	12 32.3	67.34	15 46.56
25	St	6 21.05	0.68	8 15 29.25	3 57.23	19 48 14.4	12 52.2	67.26	15 46.65
26	Mo	6 21.73	0.09	8 19 26.48	3 56.65	19 35 22.2	13 11.7	67.17	15 46.74
27	Di	6 21.82	$\overline{0.49}$	8 23 23.13	3 56.07	19 22 10.5	13 31.0	67.09	15 46.84
28	Mi	6 21.33	1.08	8 27 19.20	3 55.47	19 8 39.5	13 50.1	67.01	15 46.93
29	Do	6 20.25	1.66	8 31 14.67	3 54.90	18 54 49.4	14 8.9	66.92	15 47.03
30	Fr	+6 18.59	2.24	8 35 9.57	3 54.31	+18 40 40.5	14 27.4	66.84	15 47.14
31	Sa	6 16.35	2.83	8 39 3.88	3 53.73	18 26 13.1	14 45.6	66.75	15 47.25
Aug. 1	St	6 13.52	3.41	8 42 57.61	3 53.14	18 11 27.5	15 3.5	66.66	15 47.35
2	Mo	6 10.11	4.00	8 46 50.75	3 52.56	17 56 24.0	15 21.2	66.58	15 47.47
3	Di	6 6.11	4.59	8 50 43.31	3 51.96	17 41 2.8	15 38.6	66.49	15 47.59
4	Mi	6 1.52	5.18	8 54 35.27	3 51.37	17 25 24.2	15 55.5	66.40	15 47.71
5	Do	+5 56.34	5.78	8 58 26.64	3 50.78	+17 9 28.7	16 12.3	66.32	15 47.85
6	Fr	5 50.56	6.37	9 2 17.42	3 50.19	16 53 16.4	16 28.7	66.23	15 47.98
7	Sa	5 44.19	6.96	9 6 7.61	3 49.59	16 36 47.7	16 44.7	66.14	15 48.13
8	St	5 37.23	7.56	9 9 57.20	3 49.00	16 20 3.0	17 0.4	66.06	15 48.28
9	Mo	5 29.67	8.15	9 13 46.20	3 48.40	16 3 2.6	17 15.9	65.97	15 48.43
10	Di	5 21.52	8.74	9 17 34.60	3 47.82	15 45 46.7	17 30.9	65.88	15 48.58
11	Mi	+5 12.78	9.33	9 21 22.42	3 47.23	+15 28 15.8	17 45.7	65.80	15 48.74
12	Do	5 3.45	9.90	9 25 9.65	3 46.65	15 10 30.1	18 0.2	65.72	15 48.90
13	Fr	4 53.55	10.48	9 28 56.30	3 46.08	14 52 29.9	18 14.4	65.64	15 49.07
14	Sa	4 43.07	11.04	9 32 42.38	3 45.51	14 34 15.5	18 28.2	65.56	15 49.25
15	St	4 32.03	11.59	9 36 27.89	3 44.96	14 15 47.3	18 41.7	65.48	15 49.43
16	Mo	4 20.44	12.13	9 40 12.85	3 44.42	13 57 5.6	18 54.9	65.40	15 49.61
17	Di	+4 8.31	12.67	9 43 57.27	3 43.89	+13 38 10.7	19 7.9	65.33	15 49.79
18	Mi	3 55.64	13.19	9 47 41.16	3 43.37	13 19 2.8	19 20.4	65.25	15 49.98
19	Do	3 42.45	13.69	9 51 24.53	3 42.86	12 59 42.4	19 32.8	65.17	15 50.16
20	Fr	3 28.76	14.18	9 55 7.39	3 42.37	12 40 9.6	19 44.8	65.10	15 50.35
21	Sa	3 14.58	14.66	9 58 49.76	3 41.90	12 20 24.8	19 56.6	65.03	15 50.55
22	St	2 59.92	15.11	10 2 31.66	3 41.44	12 0 28.2	20 8.0	64.97	15 50.74
23	Mo	+2 44.81	15.56	10 6 13.10	3 40.99	+11 40 20.2	20 19.1	64.90	15 50.94
24	Di	2 29.25	15.99	10 9 54.09	3 40.57	11 20 1.1	20 29.9	64.84	15 51.14
25	Mi	2 13.26	16.38	10 13 34.66	3 40.17	10 59 31.2	20 40.5	64.78	15 51.34
26	Do	1 56.88	16.78	10 17 14.83	3 39.77	10 38 50.7	20 50.7	64.72	15 51.55
27	Fr	1 40.10	17.15	10 20 54.60	3 39.41	10 18 0.0	21 0.7	64.66	15 51.75
28	Sa	1 22.95	17.50	10 24 34.01	3 39.05	9 56 59.3	21 10.2	64.61	15 51.96
29	St	+1 5.45	17.84	10 28 13.06	3 38.72	+ 9 35 49.1	21 19.6	64.55	15 52.17
30	Mo	0 47.61	18.16	10 31 51.78	3 38.39	9 14 29.5	21 28.5	64.49	15 52.38
31	Di	0 29.45	18.47	10 35 30.17	3 38.08	8 53 1.0	21 37.2	64.44	15 52.59
Sept. 1	Mi	+0 10.98	18.77	10 39 8.25	3 37.79	8 31 23.8	21 45.4	64.39	15 52.81
2	Do	−0 7.79	19.04	10 42 46.04	3 37.51	8 9 38.4	21 53.4	64.35	15 53.03
3	Fr	−0 26.83		10 46 23.55		+ 7 47 45.0		64.31	15 53.26

Tag	0h Welt-Zeit									Aufgang	Untergang
	Julian. Zeit	Sternzeit	Nutation in AR. langp. Gl.	Nutation in AR. kurzp. Gl.	Mittleres Äquinoktium 1937.0 Länge		Mittleres Äquinoktium 1937.0 Breite	log R		in {+50° Breite, 0h Länge	
1937	2428	h m s	s in 0.001		° ′ ″	′ ″	″ in 0.01			h m	h m
Juli 24	738.5	20 5 11.640	+1078	+ 9	120 39 51.2	57 17.2	+ 9	0.006 7991	401	4 18	19 54
25	739.5	20 9 8.196	1079	+ 8	121 37 8.4	57 18.0	+15	0.006 7590	414	4 19	19 53
26	740.5	20 13 4.752	1080	+ 6	122 34 26.4	57 18.8	+19	0.006 7176	428	4 20	19 52
27	741.5	20 17 1.308	1080	+ 1	123 31 45.2	57 19.7	+20	0.006 6748	443	4 21	19 50
28	742.5	20 20 57.864	1081	− 5	124 29 4.9	57 20.6	+18	0.006 6305	459	4 23	19 49
29	743.5	20 24 54.420	1082	−10	125 26 25.5	57 21.8	+13	0.006 5846	474	4 24	19 47
30	744.5	20 28 50.976	+1082	−13	126 23 47.3	57 22.8	+ 4	0.006 5372	493	4 25	19 46
31	745.5	20 32 47.532	1082	−15	127 21 10.1	57 24.0	− 7	0.006 4879	511	4 26	19 45
Aug. 1	746.5	20 36 44.087	1083	−12	128 18 34.1	57 25.2	−19	0.006 4368	531	4 28	19 43
2	747.5	20 40 40.643	1083	− 7	129 15 59.3	57 26.4	−32	0.006 3837	553	4 29	19 42
3	748.5	20 44 37.198	1083	− 1	130 13 25.7	57 27.5	−45	0.006 3284	575	4 31	19 40
4	749.5	20 48 33.754	1083	+ 7	131 10 53.2	57 28.6	−59	0.006 2709	599	4 32	19 39
5	750.5	20 52 30.309	+1083	+12	132 8 21.8	57 29.8	−70	0.006 2110	623	4 34	19 37
6	751.5	20 56 26.864	1083	+15	133 5 51.6	57 30.8	−79	0.006 1487	647	4 35	19 35
7	752.5	21 0 23.420	1082	+15	134 3 22.4	57 31.8	−85	0.006 0840	671	4 37	19 34
8	753.5	21 4 19.975	1082	+12	135 0 54.2	57 32.8	−90	0.006 0169	694	4 38	19 32
9	754.5	21 8 16.529	1082	+ 7	135 58 27.0	57 33.7	−91	0.005 9475	716	4 40	19 30
10	755.5	21 12 13.084	1081	+ 2	136 56 0.7	57 34.6	−88	0.005 8759	738	4 41	19 28
11	756.5	21 16 9.639	+1081	− 4	137 53 35.3	57 35.6	−83	0.005 8021	757	4 43	19 26
12	757.5	21 20 6.194	1080	− 7	138 51 10.9	57 36.5	−76	0.005 7264	776	4 44	19 25
13	758.5	21 24 2.748	1079	− 9	139 48 47.4	57 37.5	−67	0.005 6488	794	4 46	19 23
14	759.5	21 27 59.303	1078	− 9	140 46 24.9	57 38.4	−56	0.005 5694	810	4 47	19 21
15	760.5	21 31 55.857	1077	− 8	141 44 3.3	57 39.4	−44	0.005 4884	825	4 48	19 19
16	761.5	21 35 52.412	1076	− 5	142 41 42.7	57 40.5	−32	0.005 4059	839	4 50	19 17
17	762.5	21 39 48.966	+1075	− 1	143 39 23.2	57 41.6	−19	0.005 3220	852	4 51	19 16
18	763.5	21 43 45.520	1074	+ 2	144 37 4.8	57 42.7	− 7	0.005 2368	863	4 53	19 14
19	764.5	21 47 42.074	1073	+ 6	145 34 47.5	57 43.9	+ 5	0.005 1505	874	4 54	19 12
20	765.5	21 51 38.628	1072	+ 8	146 32 31.4	57 45.2	+15	0.005 0631	884	4 56	19 10
21	766.5	21 55 35.182	1070	+ 9	147 30 16.6	57 46.5	+22	0.004 9747	893	4 57	19 8
22	767.5	21 59 31.736	1069	+ 7	148 28 3.1	57 47.9	+27	0.004 8854	901	4 59	19 6
23	768.5	22 3 28.290	+1067	+ 2	149 25 51.0	57 49.5	+28	0.004 7953	909	5 0	19 4
24	769.5	22 7 24.844	1066	− 2	150 23 40.5	57 51.1	+26	0.004 7044	918	5 2	19 2
25	770.5	22 11 21.397	1064	− 7	151 21 31.6	57 52.7	+21	0.004 6126	926	5 3	19 0
26	771.5	22 15 17.951	1062	−12	152 19 24.3	57 54.6	+15	0.004 5200	935	5 5	18 58
27	772.5	22 19 14.504	1060	−13	153 17 18.9	57 56.3	+ 6	0.004 4265	946	5 6	18 56
28	773.5	22 23 11.058	1058	−13	154 15 15.2	57 58.2	− 5	0.004 3319	958	5 8	18 54
29	774.5	22 27 7.611	+1056	− 9	155 13 13.4	58 0.2	−18	0.004 2361	970	5 9	18 52
30	775.5	22 31 4.164	1054	− 2	156 11 13.6	58 2.0	−32	0.004 1391	984	5 11	18 50
31	776.5	22 35 0.718	1052	+ 5	157 9 15.6	58 3.9	−44	0.004 0407	999	5 12	18 48
Sept. 1	777.5	22 38 57.271	1050	+11	158 7 19.5	58 5.9	−56	0.003 9408	1015	5 14	18 45
2	778.5	22 42 53.824	1048	+15	159 5 25.4	58 7.7	−65	0.003 8393	1031	5 15	18 43
3	779.5	22 46 50.377	+1045	+15	160 3 33.1		−72	0.003 7362		5 17	18 41

Tag	Wochentag	0ʰ Welt-Zeit: Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
1937		m s	s	h m s	m s	° ′ ″	′ ″	s	′ ″
Sept. 3	Fr	− 0 26.83	19.31	10 46 23.55	3 37.24	+7 47 45.0	22 0.9	64.31	15 53.26
4	Sa	0 46.14	19.56	10 50 0.79	3 37.00	7 25 44.1	22 8.2	64.27	15 53.49
5	St	1 5.70	19.80	10 53 37.79	3 36.75	7 3 35.9	22 15.1	64.23	15 53.73
6	Mo	1 25.50	20.02	10 57 14.54	3 36.53	6 41 20.8	22 21.6	64.19	15 53.96
7	Di	1 45.52	20.24	11 0 51.07	3 36.31	6 18 59.2	22 27.8	64.16	15 54.21
8	Mi	2 5.76	20.43	11 4 27.38	3 36.13	5 56 31.4	22 33.7	64.14	15 54.45
9	Do	− 2 26.19	20.60	11 8 3.51	3 35.94	+5 33 57.7	22 39.2	64.11	15 54.70
10	Fr	2 46.79	20.77	11 11 39.45	3 35.79	5 11 18.5	22 44.3	64.09	15 54.95
11	Sa	3 7.56	20.91	11 15 15.24	3 35.64	4 48 34.2	22 49.3	64.07	15 55.20
12	St	3 28.47	21.04	11 18 50.88	3 35.52	4 25 44.9	22 53.7	64.05	15 55.46
13	Mo	3 49.51	21.14	11 22 26.40	3 35.41	4 2 51.2	22 57.9	64.04	15 55.72
14	Di	4 10.65	21.23	11 26 1.81	3 35.32	3 39 53.3	23 1.8	64.03	15 55.98
15	Mi	− 4 31.88	21.29	11 29 37.13	3 35.26	+3 16 51.5	23 5.4	64.02	15 56.24
16	Do	4 53.17	21.34	11 33 12.39	3 35.22	2 53 46.1	23 8.6	64.01	15 56.50
17	Fr	5 14.51	21.36	11 36 47.61	3 35.19	2 30 37.5	23 11.5	64.01	15 56.77
18	Sa	5 35.87	21.36	11 40 22.80	3 35.19	2 7 26.0	23 14.1	64.01	15 57.03
19	St	5 57.23	21.33	11 43 57.99	3 35.22	1 44 11.9	23 16.4	64.01	15 57.29
20	Mo	6 18.56	21.29	11 47 33.21	3 35.26	1 20 55.5	23 18.4	64.01	15 57.56
21	Di	− 6 39.85	21.22	11 51 8.47	3 35.34	+0 57 37.1	23 20.0	64.02	15 57.82
22	Mi	7 1.07	21.12	11 54 43.81	3 35.43	0 34 17.1	23 21.4	64.03	15 58.09
23	Do	7 22.19	21.00	11 58 19.24	3 35.55	+0 10 55.7	23 22.4	64.05	15 58.36
24	Fr	7 43.19	20.85	12 1 54.79	3 35.70	−0 12 26.7	23 23.1	64.07	15 58.63
25	Sa	8 4.04	20.69	12 5 30.49	3 35.87	0 35 49.8	23 23.5	64.09	15 58.89
26	St	8 24.73	20.49	12 9 6.36	3 36.06	0 59 13.3	23 23.5	64.12	15 59.15
27	Mo	− 8 45.22	20.28	12 12 42.42	3 36.27	−1 22 36.8	23 23.2	64.15	15 59.42
28	Di	9 5.50	20.05	12 16 18.69	3 36.51	1 46 0.0	23 22.6	64.18	15 59.68
29	Mi	9 25.55	19.79	12 19 55.20	3 36.75	2 9 22.6	23 21.5	64.21	15 59.95
30	Do	9 45.34	19.52	12 23 31.95	3 37.03	2 32 44.1	23 20.1	64.24	16 0.22
Okt. 1	Fr	10 4.86	19.24	12 27 8.98	3 37.32	2 56 4.2	23 18.3	64.28	16 0.49
2	Sa	10 24.10	18.93	12 30 46.30	3 37.63	3 19 22.5	23 16.2	64.33	16 0.76
3	St	−10 43.03	18.60	12 34 23.93	3 37.94	−3 42 38.7	23 13.6	64.37	16 1.04
4	Mo	11 1.63	18.27	12 38 1.87	3 38.29	4 5 52.3	23 10.8	64.41	16 1.31
5	Di	11 19.90	17.91	12 41 40.16	3 38.64	4 29 3.1	23 7.4	64.46	16 1.59
6	Mi	11 37.81	17.54	12 45 18.80	3 39.01	4 52 10.5	23 3.8	64.52	16 1.86
7	Do	11 55.35	17.15	12 48 57.81	3 39.40	5 15 14.3	22 59.7	64.58	16 2.14
8	Fr	12 12.50	16.75	12 52 37.21	3 39.81	5 38 14.0	22 55.3	64.64	16 2.43
9	Sa	−12 29.25	16.32	12 56 17.02	3 40.23	−6 1 9.3	22 50.5	64.70	16 2.71
10	St	12 45.57	15.88	12 59 57.25	3 40.67	6 23 59.8	22 45.3	64.77	16 2.99
11	Mo	13 1.45	15.43	13 3 37.92	3 41.13	6 46 45.1	22 39.9	64.84	16 3.27
12	Di	13 16.88	14.95	13 7 19.05	3 41.60	7 9 25.0	22 33.9	64.92	16 3.55
13	Mi	13 31.83	14.45	13 11 0.65	3 42.10	7 31 58.9	22 27.5	64.99	16 3.84
14	Do	−13 46.28		13 14 42.75		−7 54 26.4		65.06	16 4.12

Tag	Julian. Zeit	Sternzeit	Nutation in AR. langp. Gl.	Nutation in AR. kurzp. Gl.	Mittleres Äquinoktium 1937.0 Länge	Diff.	Breite	log R	Diff.	Aufgang	Untergang
	0h Welt-Zeit									in {+50° Breite, 0h Länge	
1937	2428	h m s	s in 0.001		° ′ ″	′ ″	″ in 0.01			h m	h m
Sept. 3	779.5	22 46 50.377	+1045	+15	160 3 33.1	58 9.5	−72	0.003 7362	1049	5 17	18 41
4	780.5	22 50 46.930	1043	+13	161 1 42.6	58 11.3	−75	0.003 6313	1066	5 18	18 39
5	781.5	22 54 43.483	1040	+9	161 59 53.9	58 13.0	−75	0.003 5247	1082	5 20	18 37
6	782.5	22 58 40.036	1038	+3	162 58 6.9	58 14.7	−73	0.003 4165	1098	5 21	18 34
7	783.5	23 2 36.589	1035	−2	163 56 21.6	58 16.4	−69	0.003 3067	1114	5 23	18 32
8	784.5	23 6 33.141	1033	−7	164 54 38.0	58 18.0	−62	0.003 1953	1129	5 24	18 30
9	785.5	23 10 29.694	+1030	−9	165 52 56.0	58 19.5	−52	0.003 0824	1141	5 26	18 28
10	786.5	23 14 26.247	1027	−10	166 51 15.5	58 21.1	−41	0.002 9683	1154	5 27	18 26
11	787.5	23 18 22.799	1024	−9	167 49 36.6	58 22.7	−29	0.002 8529	1164	5 29	18 24
12	788.5	23 22 19.352	1022	−6	168 47 59.3	58 24.3	−17	0.002 7365	1174	5 30	18 22
13	789.5	23 26 15.904	1019	−2	169 46 23.6	58 25.9	− 4	0.002 6191	1181	5 32	18 20
14	790.5	23 30 12.457	1016	+1	170 44 49.5	58 27.6	+ 9	0.002 5010	1189	5 33	18 18
15	791.5	23 34 9.009	+1013	+4	171 43 17.1	58 29.1	+21	0.002 3821	1194	5 35	18 15
16	792.5	23 38 5.562	1010	+7	172 41 46.2	58 30.8	+30	0.002 2627	1198	5 36	18 13
17	793.5	23 42 2.114	1007	+8	173 40 17.0	58 32.6	+37	0.002 1429	1201	5 38	18 10
18	794.5	23 45 58.667	1004	+7	174 38 49.6	58 34.3	+41	0.002 0228	1202	5 39	18 8
19	795.5	23 49 55.219	1002	+4	175 37 23.9	58 36.1	+43	0.001 9026	1203	5 41	18 6
20	796.5	23 53 51.771	999	−1	176 36 0.0	58 38.0	+43	0.001 7823	1202	5 42	18 4
21	797.5	23 57 48.324	+996	−6	177 34 38.0	58 40.1	+40	0.001 6621	1201	5 44	18 1
22	798.5	0 1 44.876	992	−10	178 33 18.1	58 42.1	+33	0.001 5420	1201	5 45	17 59
23	799.5	0 5 41.428	989	−13	179 32 0.2	58 44.2	+24	0.001 4219	1200	5 47	17 57
24	800.5	0 9 37.981	986	−13	180 30 44.4	58 46.5	+12	0.001 3019	1200	5 48	17 55
25	801.5	0 13 34.533	983	−9	181 29 30.9	58 48.7	− 1	0.001 1819	1201	5 50	17 53
26	802.5	0 17 31.086	980	−4	182 28 19.6	58 51.1	−14	0.001 0618	1203	5 51	17 50
27	803.5	0 21 27.638	+977	+3	183 27 10.7	58 53.3	−26	0.000 9415	1206	5 53	17 48
28	804.5	0 25 24.190	974	+10	184 26 4.0	58 55.7	−38	0.000 8209	1210	5 54	17 46
29	805.5	0 29 20.743	971	+14	185 24 59.7	58 58.0	−47	0.000 6999	1216	5 56	17 44
30	806.5	0 33 17.295	968	+16	186 23 57.7	59 0.2	−54	0.000 5783	1221	5 57	17 42
Okt. 1	807.5	0 37 13.847	965	+15	187 22 57.9	59 2.5	−58	0.000 4562	1228	5 59	17 39
2	808.5	0 41 10.400	963	+10	188 22 0.4	59 4.7	−59	0.000 3334	1235	6 0	17 37
3	809.5	0 45 6.952	+960	+5	189 21 5.1	59 6.8	−58	0.000 2099	1242	6 2	17 35
4	810.5	0 49 3.505	957	−1	190 20 11.9	59 8.8	−53	0.000 0857	1248	6 4	17 33
5	811.5	0 53 0.057	954	−6	191 19 20.7	59 10.9	−45	9.999 9609	1256	6 5	17 31
6	812.5	0 56 56.610	951	−9	192 18 31.6	59 12.8	−35	9.999 8353	1260	6 7	17 29
7	813.5	1 0 53.162	948	−10	193 17 44.4	59 14.7	−24	9.999 7093	1265	6 8	17 27
8	814.5	1 4 49.715	946	−9	194 16 59.1	59 16.6	−12	9.999 5828	1269	6 10	17 25
9	815.5	1 8 46.268	+943	−7	195 16 15.7	59 18.5	+ 1	9.999 4559	1271	6 12	17 23
10	816.5	1 12 42.821	940	−4	196 15 34.2	59 20.3	+14	9.999 3288	1273	6 13	17 21
11	817.5	1 16 39.373	938	0	197 14 54.5	59 22.1	+27	9.999 2015	1273	6 15	17 18
12	818.5	1 20 35.926	935	+3	198 14 16.6	59 23.9	+38	9.999 0742	1271	6 16	17 16
13	819.5	1 24 32.479	933	+6	199 13 40.5	59 25.6	+48	9.998 9471	1268	6 18	17 14
14	820.5	1 28 29.032	+930	+7	200 13 6.1		+57	9.998 8203		6 20	17 12

Tag		Wochentag	0h Welt-Zeit: Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
1937			m s	s	h m s	m s	° ′ ″	′ ″	s	′ ″
Okt.	14	Do	−13 46.28	13.94	13 14 42.75	3 42.61	− 7 54 26.4	22 21.0	65.06	16 4.12
	15	Fr	14 0.22	13.42	13 18 25.36	3 43.14	8 16 47.4	22 13.9	65.14	16 4.39
	16	Sa	14 13.64	12.86	13 22 8.50	3 43.69	8 39 1.3	22 6.5	65.22	16 4.67
	17	St	14 26.50	12.29	13 25 52.19	3 44.27	9 1 7.8	21 58.8	65.30	16 4.96
	18	Mo	14 38.79	11.70	13 29 36.46	3 44.85	9 23 6.6	21 50.6	65.39	16 5.23
	19	Di	14 50.49	11.09	13 33 21.31	3 45.46	9 44 57.2	21 42.1	65.48	16 5.50
	20	Mi	−15 1.58	10.45	13 37 6.77	3 46.10	−10 6 39.3	21 33.2	65.58	16 5.78
	21	Do	15 12.03	9.81	13 40 52.87	3 46.75	10 28 12.5	21 24.0	65.67	16 6.05
	22	Fr	15 21.84	9.12	13 44 39.62	3 47.43	10 49 36.5	21 14.4	65.76	16 6.31
	23	Sa	15 30.96	8.44	13 48 27.05	3 48.12	11 10 50.9	21 4.5	65.86	16 6.58
	24	St	15 39.40	7.72	13 52 15.17	3 48.83	11 31 55.4	20 54.0	65.96	16 6.84
	25	Mo	15 47.12	6.99	13 56 4.00	3 49.56	11 52 49.4	20 43.3	66.06	16 7.09
	26	Di	−15 54.11	6.25	13 59 53.56	3 50.31	−12 13 32.7	20 32.1	66.17	16 7.35
	27	Mi	16 0.36	5.49	14 3 43.87	3 51.06	12 34 4.8	20 20.5	66.27	16 7.61
	28	Do	16 5.85	4.73	14 7 34.93	3 51.82	12 54 25.3	20 8.5	66.37	16 7.86
	29	Fr	16 10.58	3.95	14 11 26.75	3 52.61	13 14 33.8	19 56.0	66.48	16 8.11
	30	Sa	16 14.53	3.15	14 15 19.36	3 53.40	13 34 29.8	19 43.3	66.59	16 8.37
	31	St	16 17.68	2.37	14 19 12.76	3 54.19	13 54 13.1	19 30.0	66.71	16 8.62
Nov.	1	Mo	−16 20.05	1.57	14 23 6.95	3 54.99	−14 13 43.1	19 16.3	66.82	16 8.86
	2	Di	16 21.62	0.76	14 27 1.94	3 55.79	14 32 59.4	19 2.1	66.93	16 9.12
	3	Mi	16 22.38	0.06	14 30 57.73	3 56.61	14 52 1.5	18 47.7	67.05	16 9.36
	4	Do	16 22.32	0.87	14 34 54.34	3 57.42	15 10 49.2	18 32.7	67.17	16 9.61
	5	Fr	16 21.45	1.69	14 38 51.76	3 58.24	15 29 21.9	18 17.4	67.28	16 9.86
	6	Sa	16 19.76	2.51	14 42 50.00	3 59.07	15 47 39.3	18 1.6	67.40	16 10.10
	7	St	−16 17.25	3.33	14 46 49.07	3 59.89	−16 5 40.9	17 45.5	67.52	16 10.35
	8	Mo	16 13.92	4.17	14 50 48.96	4 0.72	16 23 26.4	17 28.8	67.64	16 10.59
	9	Di	16 9.75	4.99	14 54 49.68	4 1.55	16 40 55.2	17 11.9	67.76	16 10.83
	10	Mi	16 4.76	5.82	14 58 51.23	4 2.38	16 58 7.1	16 54.4	67.88	16 11.07
	11	Do	15 58.94	6.66	15 2 53.61	4 3.21	17 15 1.5	16 36.7	68.00	16 11.30
	12	Fr	15 52.28	7.48	15 6 56.82	4 4.03	17 31 38.2	16 18.5	68.12	16 11.53
	13	Sa	−15 44.80	8.31	15 11 0.85	4 4.87	−17 47 56.7	15 59.9	68.24	16 11.76
	14	St	15 36.49	9.14	15 15 5.72	4 5.70	18 3 56.6	15 41.0	68.36	16 11.99
	15	Mo	15 27.35	9.97	15 19 11.42	4 6.52	18 19 37.6	15 21.6	68.48	16 12.21
	16	Di	15 17.38	10.80	15 23 17.94	4 7.36	18 34 59.2	15 1.9	68.59	16 12.43
	17	Mi	15 6.58	11.63	15 27 25.30	4 8.19	18 50 1.1	14 41.8	68.71	16 12.64
	18	Do	14 54.95	12.46	15 31 33.49	4 9.01	19 4 42.9	14 21.4	68.82	16 12.85
	19	Fr	−14 42.49	13.29	15 35 42.50	4 9.85	−19 19 4.3	14 0.5	68.94	16 13.05
	20	Sa	14 29.20	14.12	15 39 52.35	4 10.67	19 33 4.8	13 39.4	69.05	16 13.26
	21	St	14 15.08	14.94	15 44 3.02	4 11.50	19 46 44.2	13 17.8	69.16	16 13.45
	22	Mo	14 0.14	15.75	15 48 14.52	4 12.31	20 0 2.0	12 55.9	69.27	16 13.64
	23	Di	13 44.39	16.57	15 52 26.83	4 13.12	20 12 57.9	12 33.7	69.38	16 13.82
	24	Mi	−13 27.82		15 56 39.95		−20 25 31.6		69.49	16 14.01

Tag	Julian. Zeit	Sternzeit	Nutation in AR. langp. Gl.	Nutation in AR. kurzp. Gl.	Mittleres Äquinoktium 1937.0 Länge		Mittleres Äquinoktium 1937.0 Breite	log R		Aufgang	Untergang
1937	2428	h m s	in 0.001 s		° ′ ″	′ ″	in 0.″01			in +50° Breite 0h Länge h m	h m
Okt. 14	820.5	1 28 29.032	+930	+ 7	200 13 6.1	59 27.4	+57	9.998 8203	1265	6 20	17 12
15	821.5	1 32 25.585	928	+ 6	201 12 33.5	59 29.2	+62	9.998 6938	1259	6 21	17 10
16	822.5	1 36 22.138	926	+ 4	202 12 2.7	59 31.0	+65	9.998 5679	1251	6 23	17 8
17	823.5	1 40 18.691	923	0	203 11 33.7	59 32.8	+64	9.998 4428	1243	6 24	17 6
18	824.5	1 44 15.244	921	− 6	204 11 6.5	59 34.7	+60	9.998 3185	1233	6 26	17 4
19	825.5	1 48 11.798	919	−10	205 10 41.2	59 36.6	+53	9.998 1952	1221	6 28	17 2
20	826.5	1 52 8.351	+917	−13	206 10 17.8	59 38.6	+45	9.998 0731	1210	6 29	17 0
21	827.5	1 56 4.904	915	−13	207 9 56.4	59 40.7	+34	9.997 9521	1198	6 31	16 58
22	828.5	2 0 1.458	913	−11	208 9 37.1	59 42.9	+21	9.997 8323	1186	6 32	16 56
23	829.5	2 3 58.011	911	− 6	209 9 20.0	59 45.1	+ 8	9.997 7137	1174	6 34	16 54
24	830.5	2 7 54.565	910	+ 1	210 9 5.1	59 47.3	− 4	9.997 5963	1165	6 36	16 52
25	831.5	2 11 51.119	908	+ 9	211 8 52.4	59 49.6	−16	9.997 4798	1155	6 37	16 50
26	832.5	2 15 47.673	+906	+14	212 8 42.0	59 51.8	−26	9.997 3643	1147	6 39	16 49
27	833.5	2 19 44.226	905	+17	213 8 33.8	59 54.1	−34	9.997 2496	1140	6 40	16 47
28	834.5	2 23 40.780	904	+16	214 8 27.9	59 56.3	−39	9.997 1356	1134	6 42	16 45
29	835.5	2 27 37.334	902	+13	215 8 24.2	59 58.4	−40	9.997 0222	1128	6 44	16 43
30	836.5	2 31 33.889	901	+ 7	216 8 22.6	60 0.6	−39	9.996 9094	1124	6 45	16 41
31	837.5	2 35 30.443	900	+ 2	217 8 23.2	60 2.7	−35	9.996 7970	1120	6 47	16 40
Nov. 1	838.5	2 39 26.997	+899	− 4	218 8 25.9	60 4.6	−27	9.996 6850	1116	6 48	16 38
2	839.5	2 43 23.552	898	− 7	219 8 30.5	60 6.5	−17	9.996 5734	1111	6 50	16 36
3	840.5	2 47 20.106	897	− 9	220 8 37.0	60 8.4	− 6	9.996 4623	1106	6 52	16 34
4	841.5	2 51 16.661	896	− 9	221 8 45.4	60 10.2	+ 7	9.996 3517	1102	6 54	16 33
5	842.5	2 55 13.216	896	− 7	222 8 55.6	60 11.9	+21	9.996 2415	1096	6 55	16 31
6	843.5	2 59 9.770	895	− 4	223 9 7.5	60 13.6	+35	9.996 1319	1089	6 57	16 30
7	844.5	3 3 6.325	+895	− 1	224 9 21.1	60 15.2	+48	9.996 0230	1081	6 59	16 28
8	845.5	3 7 2.880	895	+ 2	225 9 36.3	60 16.7	+59	9.995 9149	1073	7 1	16 27
9	846.5	3 10 59.435	894	+ 5	226 9 53.0	60 18.2	+69	9.995 8076	1064	7 2	16 25
10	847.5	3 14 55.991	894	+ 7	227 10 11.2	60 19.7	+78	9.995 7012	1052	7 4	16 24
11	848.5	3 18 52.546	894	+ 6	228 10 30.9	60 21.1	+85	9.995 5960	1040	7 5	16 22
12	849.5	3 22 49.101	894	+ 4	229 10 52.0	60 22.5	+88	9.995 4920	1027	7 7	16 21
13	850.5	3 26 45.657	+894	+ 1	230 11 14.5	60 23.9	+88	9.995 3893	1010	7 8	16 20
14	851.5	3 30 42.213	895	− 4	231 11 38.4	60 25.2	+85	9.995 2883	994	7 10	16 18
15	852.5	3 34 38.768	895	− 9	232 12 3.6	60 26.6	+79	9.995 1889	975	7 12	16 17
16	853.5	3 38 35.324	895	−13	233 12 30.2	60 28.0	+71	9.995 0914	955	7 13	16 15
17	854.5	3 42 31.880	896	−15	234 12 58.2	60 29.5	+61	9.994 9959	933	7 15	16 14
18	855.5	3 46 28.436	897	−13	235 13 27.7	60 31.0	+48	9.994 9026	911	7 17	16 13
19	856.5	3 50 24.992	+897	− 9	236 13 58.7	60 32.6	+34	9.994 8115	890	7 18	16 12
20	857.5	3 54 21.548	898	− 2	237 14 31.3	60 34.2	+20	9.994 7225	867	7 20	16 11
21	858.5	3 58 18.105	899	+ 6	238 15 5.5	60 35.9	+ 7	9.994 6358	845	7 21	16 10
22	859.5	4 2 14.661	900	+12	239 15 41.4	60 37.5	− 4	9.994 5513	825	7 23	16 9
23	860.5	4 6 11.217	901	+16	240 16 18.9	60 39.2	−13	9.994 4688	806	7 24	16 8
24	861.5	4 10 7.774	+902	+17	241 16 58.1		−19	9.994 3882		7 26	16 7

Tag	Wochentag	Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
		0h Welt-Zeit							
1937		m s	s	h m s	m s	° ′ ″	′ ″	s	′ ″
Nov. 24	Mi	−13 27.82	17.36	15 56 39.95	4 13.92	−20 25 31.6	12 11.0	69.49	16 14.01
25	Do	13 10.46	18.14	16 0 53.87	4 14.70	20 37 42.6	11 48.1	69.60	16 14.18
26	Fr	12 52.32	18.92	16 5 8.57	4 15.47	20 49 30.7	11 24.8	69.70	16 14.36
27	Sa	12 33.40	19.66	16 9 24.04	4 16.23	21 0 55.5	11 1.1	69.80	16 14.52
28	St	12 13.74	20.40	16 13 40.27	4 16.95	21 11 56.6	10 37.1	69.90	16 14.69
29	Mo	11 53.34	21.11	16 17 57.22	4 17.67	21 22 33.7	10 12.9	69.99	16 14.86
30	Di	−11 32.23	21.80	16 22 14.89	4 18.35	−21 32 46.6	9 48.3	70.09	16 15.01
Dez. 1	Mi	11 10.43	22.46	16 26 33.24	4 19.02	21 42 34.9	9 23.4	70.19	16 15.17
2	Do	10 47.97	23.11	16 30 52.26	4 19.67	21 51 58.3	8 58.1	70.28	16 15.32
3	Fr	10 24.86	23.72	16 35 11.93	4 20.27	22 0 56.4	8 32.8	70.36	16 15.47
4	Sa	10 1.14	24.31	16 39 32.20	4 20.87	22 9 29.2	8 7.0	70.44	16 15.62
5	St	9 36.83	24.86	16 43 53.07	4 21.42	22 17 36.2	7 41.1	70.52	16 15.76
6	Mo	− 9 11.97	25.40	16 48 14.49	4 21.96	−22 25 17.3	7 14.7	70.60	16 15.90
7	Di	8 46.57	25.90	16 52 36.45	4 22.45	22 32 32.0	6 48.4	70.67	16 16.04
8	Mi	8 20.67	26.38	16 56 58.90	4 22.94	22 39 20.4	6 21.8	70.74	16 16.17
9	Do	7 54.29	26.81	17 1 21.84	4 23.37	22 45 42.2	5 54.8	70.80	16 16.31
10	Fr	7 27.48	27.22	17 5 45.21	4 23.78	22 51 37.0	5 27.9	70.86	16 16.43
11	Sa	7 0.26	27.61	17 10 8.99	4 24.17	22 57 4.9	5 0.6	70.92	16 16.55
12	St	− 6 32.65	27.96	17 14 33.16	4 24.51	−23 2 5.5	4 33.3	70.97	16 16.67
13	Mo	6 4.69	28.27	17 18 57.67	4 24.83	23 6 38.8	4 5.7	71.02	16 16.78
14	Di	5 36.42	28.57	17 23 22.50	4 25.13	23 10 44.5	3 38.1	71.06	16 16.89
15	Mi	5 7.85	28.83	17 27 47.63	4 25.38	23 14 22.6	3 10.2	71.10	16 16.99
16	Do	4 39.02	29.06	17 32 13.01	4 25.62	23 17 32.8	2 42.4	71.14	16 17.09
17	Fr	4 9.96	29.27	17 36 38.63	4 25.83	23 20 15.2	2 14.4	71.17	16 17.18
18	Sa	− 3 40.69	29.44	17 41 4.46	4 26.00	−23 22 29.6	1 46.3	71.19	16 17.26
19	St	3 11.25	29.60	17 45 30.46	4 26.16	23 24 15.9	1 18.1	71.21	16 17.34
20	Mo	2 41.65	29.73	17 49 56.62	4 26.28	23 25 34.0	0 49.9	71.23	16 17.41
21	Di	2 11.92	29.81	17 54 22.90	4 26.37	23 26 23.9	0 21.7	71.24	16 17.47
22	Mi	1 42.11	29.87	17 58 49.27	4 26.43	23 26 45.6	0 6.6	71.25	16 17.53
23	Do	1 12.24	29.90	18 3 15.70	4 26.46	23 26 39.0	0 35.0	71.26	16 17.58
24	Fr	− 0 42.34	29.90	18 7 42.16	4 26.45	−23 26 4.0	1 3.2	71.26	16 17.63
25	Sa	− 0 12.44	29.85	18 12 8.61	4 26.41	23 25 0.8	1 31.5	71.25	16 17.67
26	St	+ 0 17.41	29.78	18 16 35.02	4 26.34	23 23 29.3	1 59.7	71.24	16 17.71
27	Mo	0 47.19	29.67	18 21 1.36	4 26.23	23 21 29.6	2 28.0	71.22	16 17.74
28	Di	1 16.86	29.51	18 25 27.59	4 26.07	23 19 1.6	2 56.0	71.20	16 17.77
29	Mi	1 46.37	29.33	18 29 53.66	4 25.89	23 16 5.6	3 24.0	71.18	16 17.79
30	Do	+ 2 15.70	29.12	18 34 19.55	4 25.67	−23 12 41.6	3 52.1	71.15	16 17.81
31	Fr	2 44.82	28.85	18 38 45.22	4 25.41	23 8 49.5	4 19.8	71.11	16 17.82
32	Sa	+ 3 13.67		18 43 10.63		−23 4 29.7			

Tag	Julian. Zeit	Sternzeit	Nutation in AR. langp. Gl.	kurzp. Gl.	Mittleres Äquinoktium 1937.0 Länge	Diff.	Breite	log R	Diff.	Aufgang (in +50° Breite, 0ʰ Länge)	Untergang (in +50° Breite, 0ʰ Länge)
1937	2428	h m s	s in 0.001		° ′ ″	′ ″	″ in 0.01			h m	h m
Nov. 24	861.5	4 10 7.774	+902	+17	241 16 58.1	60 41.0	−19	9.994 3882	788	7 26	16 7
25	862.5	4 14 4.330	904	+15	242 17 39.1	60 42.6	−22	9.994 3094	770	7 27	16 6
26	863.5	4 18 0.887	905	+10	243 18 21.7	60 44.2	−22	9.994 2324	754	7 29	16 5
27	864.5	4 21 57.444	906	+4	244 19 5.9	60 45.7	−19	9.994 1570	739	7 30	16 4
28	865.5	4 25 54.001	908	−1	245 19 51.6	60 47.3	−14	9.994 0831	725	7 31	16 3
29	866.5	4 29 50.558	909	−6	246 20 38.9	60 48.7	−5	9.994 0106	710	7 33	16 3
30	867.5	4 33 47.115	+911	−9	247 21 27.6	60 50.0	+6	9.993 9396	697	7 34	16 2
Dez. 1	868.5	4 37 43.672	913	−9	248 22 17.6	60 51.3	+18	9.993 8699	684	7 36	16 2
2	869.5	4 41 40.229	915	−7	249 23 8.9	60 52.5	+31	9.993 8015	670	7 37	16 1
3	870.5	4 45 36.786	916	−5	250 24 1.4	60 53.6	+44	9.993 7345	656	7 38	16 1
4	871.5	4 49 33.344	918	−1	251 24 55.0	60 54.7	+57	9.993 6689	642	7 40	16 0
5	872.5	4 53 29.901	920	+2	252 25 49.7	60 55.6	+69	9.993 6047	628	7 41	16 0
6	873.5	4 57 26.458	+922	+5	253 26 45.3	60 56.5	+80	9.993 5419	613	7 43	15 59
7	874.5	5 1 23.016	925	+7	254 27 41.8	60 57.3	+89	9.993 4806	596	7 44	15 59
8	875.5	5 5 19.573	927	+7	255 28 39.1	60 58.0	+96	9.993 4210	580	7 45	15 59
9	876.5	5 9 16.131	929	+6	256 29 37.1	60 58.6	+101	9.993 3630	562	7 46	15 59
10	877.5	5 13 12.689	931	+2	257 30 35.7	60 59.3	+102	9.993 3068	543	7 47	15 58
11	878.5	5 17 9.246	934	−3	258 31 35.0	60 59.9	+99	9.993 2525	522	7 48	15 58
12	879.5	5 21 5.804	+936	−9	259 32 34.9	61 0.3	+94	9.993 2003	501	7 49	15 58
13	880.5	5 25 2.362	938	−13	260 33 35.2	61 0.9	+86	9.993 1502	476	7 50	15 58
14	881.5	5 28 58.919	941	−15	261 34 36.1	61 1.3	+76	9.993 1026	452	7 51	15 58
15	882.5	5 32 55.477	943	−15	262 35 37.4	61 1.8	+63	9.993 0574	425	7 51	15 59
16	883.5	5 36 52.035	945	−12	263 36 39.2	61 2.4	+49	9.993 0149	397	7 52	15 59
17	884.5	5 40 48.593	948	−6	264 37 41.6	61 2.9	+35	9.992 9752	369	7 53	15 59
18	885.5	5 44 45.151	+950	+2	265 38 44.5	61 3.6	+22	9.992 9383	340	7 54	15 59
19	886.5	5 48 41.709	953	+9	266 39 48.1	61 4.2	+10	9.992 9043	312	7 54	16 0
20	887.5	5 52 38.267	956	+14	267 40 52.3	61 4.9	0	9.992 8731	284	7 55	16 0
21	888.5	5 56 34.824	958	+17	268 41 57.2	61 5.6	−7	9.992 8447	257	7 55	16 1
22	889.5	6 0 31.382	961	+16	269 43 2.8	61 6.4	−12	9.992 8190	231	7 56	16 1
23	890.5	6 4 27.940	963	+12	270 44 9.2	61 7.1	−13	9.992 7959	207	7 56	16 2
24	891.5	6 8 24.498	+966	+7	271 45 16.3	61 7.7	−10	9.992 7752	184	7 57	16 2
25	892.5	6 12 21.056	968	+1	272 46 24.0	61 8.3	−5	9.992 7568	163	7 57	16 3
26	893.5	6 16 17.614	971	−4	273 47 32.3	61 9.0	+2	9.992 7405	142	7 58	16 3
27	894.5	6 20 14.172	973	−7	274 48 41.3	61 9.4	+12	9.992 7263	121	7 58	16 4
28	895.5	6 24 10.730	976	−8	275 49 50.7	61 9.9	+23	9.992 7142	103	7 58	16 5
29	896.5	6 28 7.288	978	−7	276 51 0.6	61 10.2	+35	9.992 7039	85	7 58	16 6
30	897.5	6 32 3.845	+981	−5	277 52 10.8	61 10.5	+46	9.992 6954	66	7 59	16 6
31	898.5	6 36 0.403	983	−2	278 53 21.3	61 10.7	+58	9.992 6888	49	7 59	16 7
32	899.5	6 39 56.961	+986	+2	279 54 32.0		+70	9.992 6839		7 59	16 8

0h Welt-Zeit	Mittleres Äquinoktium 1937.0											
	X			ΔX*)	Y			ΔY*)	Z			ΔZ*)
1937												
Jan. 0	+0.156 371	+17 238	− 48	−4	−0.890 546	+ 2 698	+275	−2	−0.386 253	+1 170	+120	−1
1	0.173 609	17 185	53	−2	0.887 848	2 974	276	+1	0.385 083	1 290	120	−1
2	0.190 794	17 128	57	+5	0.884 874	3 249	275	+1	0.383 793	1 409	119	−5
3	0.207 922	17 065	63	+2	0.881 625	3 523	274	+1	0.382 384	1 528	119	−5
4	0.224 987	16 996	69	−3	0.878 102	3 797	274	+4	0.380 856	1 647	119	−3
5	0.241 983	16 922	74	−4	0.874 305	4 069	272	+2	0.379 209	1 765	118	−3
6	+0.258 905	+16 842	− 80	−3	−0.870 236	+ 4 341	+272	+4	−0.377 444	+1 883	+118	−1
7	0.275 747	16 758	84	+4	0.865 895	4 611	270	+2	0.375 561	2 001	118	0
8	0.292 505	16 668	90	+3	0.861 284	4 881	270	+4	0.373 560	2 117	116	−5
9	0.309 173	16 572	96	+2	0.856 403	5 148	267	−2	0.371 443	2 233	116	−1
10	0.325 745	16 472	100	+4	0.851 255	5 414	266	−2	0.369 210	2 349	116	+3
11	0.342 217	16 364	108	−3	0.845 841	5 679	265	+1	0.366 861	2 464	115	+3
12	+0.358 581	+16 253	−111	+4	−0.840 162	+ 5 942	+263	0	−0.364 397	+2 578	+114	0
13	0.374 834	16 136	117	+2	0.834 220	6 202	260	−4	0.361 819	2 690	112	−4
14	0.390 970	16 013	123	−2	0.828 018	6 461	259	0	0.359 129	2 803	113	+4
15	0.406 983	15 885	128	−3	0.821 557	6 718	257	+3	0.356 326	2 914	111	+2
16	0.422 868	15 752	133	−3	0.814 839	6 971	253	−1	0.353 412	3 024	110	0
17	0.438 620	15 614	138	−3	0.807 868	7 223	252	+5	0.350 388	3 133	109	−1
18	+0.454 234	+15 471	−143	−3	−0.800 645	+ 7 472	+249	+4	−0.347 255	+3 240	+107	−4
19	0.469 705	15 324	147	−1	0.793 173	7 718	246	+1	0.344 015	3 347	107	0
20	0.485 029	15 171	153	−5	0.785 455	7 961	243	−3	0.340 668	3 452	105	0
21	0.500 200	15 015	156	−1	0.777 494	8 201	240	−5	0.337 216	3 557	105	+2
22	0.515 215	14 854	161	−2	0.769 293	8 438	237	−3	0.333 659	3 659	102	−4
23	0.530 069	14 689	165	−1	0.760 855	8 673	235	+2	0.330 000	3 761	102	−1
24	+0.544 758	+14 520	−169	0	−0.752 182	+ 8 905	+232	+3	−0.326 239	+3 861	+100	−1
25	0.559 278	14 347	173	0	0.743 277	9 134	229	+1	0.322 378	3 961	100	+3
26	0.573 625	14 170	177	0	0.734 143	9 360	226	−2	0.318 417	4 059	98	+2
27	0.587 795	13 989	181	−1	0.724 783	9 583	223	−3	0.314 358	4 156	97	+3
28	0.601 784	13 803	186	−3	0.715 200	9 804	221	0	0.310 202	4 252	96	+4
29	0.615 587	13 615	188	+4	0.705 396	10 022	218	−1	0.305 950	4 347	95	+2
30	+0.629 202	+13 421	−194	−1	−0.695 374	+10 236	+214	−4	−0.301 603	+4 440	+ 93	−3
31	0.642 623	13 224	197	+3	0.685 138	10 449	213	+2	0.297 163	4 532	92	−4
Febr. 1	0.655 847	13 023	201	+4	0.674 689	10 658	209	−1	0.292 631	4 622	90	−4
2	0.668 870	12 817	206	+1	0.664 031	10 863	205	−5	0.288 009	4 712	90	+3
3	0.681 687	12 608	209	+3	0.653 168	11 066	203	−1	0.283 297	4 800	88	+4
4	0.694 295	12 394	214	+1	0.642 102	11 265	199	0	0.278 497	4 887	87	+5
5	+0.706 689	+12 177	−217	+4	−0.630 837	+11 462	+197	+4	−0.273 610	+4 972	+ 85	+2
6	0.718 866	11 956	221	+2	0.619 375	11 653	191	−4	0.268 638	5 055	83	−2
7	0.730 822	11 730	226	−2	0.607 722	11 843	190	+3	0.263 583	5 137	82	−1
8	0.742 552	11 501	229	+1	0.595 879	12 027	184	−2	0.258 446	5 217	80	0
9	0.754 053	+11 269	232	+3	0.583 852	+12 209	182	+4	0.253 229	+5 296	79	+3
10	+0.765 322		−237	−3	−0.571 643		+177	+2	−0.247 933		+ 77	+1

*) ΔX, ΔY, ΔZ sind in Einheiten der 7. Dezimale gegeben.

0h Welt-Zeit	Mittleres Äquinoktium 1937.0											
	X			ΔX*)	Y			ΔY*)	Z			ΔZ*)
1937												
Febr. 10	+0.765 322	+11 032	−237	−3	−0.571 643	+12 386	+177	+2	−0.247 933	+5 373	+77	+1
11	0.776 354	10 791	241	−5	0.559 257	12 560	174	+3	0.242 560	5 447	74	−4
12	0.787 145	10 548	243	+1	0.546 697	12 728	168	−5	0.237 113	5 521	74	+2
13	0.797 693	10 301	247	+2	0.533 969	12 892	164	−3	0.231 592	5 592	71	−2
14	0.807 994	10 052	249	+4	0.521 077	13 053	161	+4	0.226 000	5 661	69	−4
15	0.818 046	9 798	254	−4	0.508 024	13 208	155	+2	0.220 339	5 728	67	−2
16	+0.827 844	+ 9 543	−255	+1	−0.494 816	+13 360	+152	+5	−0.214 611	+5 794	+66	+2
17	0.837 387	9 285	258	0	0.481 456	13 506	146	0	0.208 817	5 857	63	0
18	0.846 672	9 024	261	−1	0.467 950	13 648	142	0	0.202 960	5 919	62	+3
19	0.855 696	8 762	262	+4	0.454 302	13 786	138	+1	0.197 041	5 979	60	+1
20	0.864 458	8 497	265	+3	0.440 516	13 919	133	−2	0.191 062	6 036	57	−5
21	0.872 955	8 231	266	+5	0.426 597	14 048	129	−2	0.185 026	6 092	56	−2
22	+0.881 186	+ 7 962	−269	0	−0.412 549	+14 172	+124	−4	−0.178 934	+6 146	+54	+1
23	0.889 148	7 691	271	−2	0.398 377	14 293	121	0	0.172 788	6 199	53	+4
24	0.896 839	7 419	272	0	0.384 084	14 409	116	−2	0.166 589	6 249	50	0
25	0.904 258	7 144	275	−2	0.369 675	14 521	112	−2	0.160 340	6 298	49	+3
26	0.911 402	6 868	276	+1	0.355 154	14 629	108	−3	0.154 042	6 345	47	+2
27	0.918 270	6 590	278	+2	0.340 525	14 732	103	−5	0.147 697	6 390	45	0
28	+0.924 860	+ 6 310	−280	+3	−0.325 793	+14 832	+100	−1	−0.141 307	+6 433	+43	−1
März 1	0.931 170	6 029	281	+5	0.310 961	14 926	94	−4	0.134 874	6 475	42	+1
2	0.937 199	5 745	284	−1	0.296 035	15 018	92	+4	0.128 399	6 514	39	−4
3	0.942 944	5 459	286	−5	0.281 017	15 104	86	−1	0.121 885	6 551	37	−5
4	0.948 403	5 172	287	−1	0.265 913	15 185	81	−4	0.115 334	6 587	36	−1
5	0.953 575	4 884	288	+4	0.250 728	15 263	78	+1	0.108 747	6 620	33	−2
6	+0.958 459	+ 4 594	−290	+4	−0.235 465	+15 335	+ 72	−1	−0.102 127	+6 652	+32	+3
7	0.963 053	4 302	292	+3	0.220 130	15 404	69	+4	0.095 475	6 682	30	+3
8	0.967 355	4 010	292	+5	0.204 726	15 467	63	0	0.088 793	6 709	27	−2
9	0.971 365	3 715	295	−2	0.189 259	15 525	58	−2	0.082 084	6 734	25	−3
10	0.975 080	3 419	296	−3	0.173 734	15 579	54	+3	0.075 350	6 757	23	−1
11	0.978 499	3 123	296	+1	0.158 155	15 628	49	+5	0.068 593	6 778	21	+2
12	+0.981 622	+ 2 825	−298	−3	−0.142 527	+15 672	+ 44	+2	−0.061 815	+6 797	+19	+5
13	0.984 447	2 527	298	−2	0.126 855	15 709	37	−5	0.055 018	6 814	17	+5
14	0.986 974	2 228	299	−3	0.111 146	15 743	34	+2	0.048 204	6 828	14	0
15	0.989 202	1 929	299	−3	0.095 403	15 771	28	+1	0.041 376	6 840	12	−3
16	0.991 131	1 629	300	−5	0.079 632	15 794	23	+1	0.034 536	6 849	9	−5
17	0.992 760	1 331	298	+1	0.063 838	15 812	18	0	0.027 687	6 857	8	+1
18	+0.994 091	+ 1 031	−300	−4	−0.048 026	+15 825	+ 13	−2	−0.020 830	+6 863	+ 6	+4
19	0.995 122	733	298	+3	0.032 201	15 832	7	−5	0.013 967	6 866	3	+2
20	0.995 855	435	298	+5	0.016 369	15 836	+ 4	+1	0.007 101	6 868	+ 2	+5
21	0.996 290	+ 138	297	+5	−0.000 533	15 835	− 1	+2	−0.000 233	6 868	0	+3
22	0.996 428	− 160	298	0	+0.015 302	+15 829	6	0	+0.006 635	+6 865	− 3	−4
23	+0.996 268		−296	+4	+0.031 131		− 11	−1	+0.013 500		− 5	−5

*) ΔX, ΔY, ΔZ sind in Einheiten der 7. Dezimale gegeben.

0h Welt-Zeit	Mittleres Äquinoktium 1937.0											
	X			ΔX*)	Y			ΔY*)	Z			ΔZ*)
1937												
März 23	+0.996 268	−456	−296	+4	+0.031 131	+15 818	−11	−1	+0.013 500	+6 860	−5	−5
24	0.995 812	751	295	+4	0.046 949	15 804	14	+3	0.020 360	6 854	6	0
25	0.995 061	1 048	297	−4	0.062 753	15 784	20	−1	0.027 214	6 846	8	+2
26	0.994 013	1 341	293	+4	0.078 537	15 761	23	+2	0.034 060	6 836	10	+2
27	0.992 672	1 636	295	−4	0.094 298	15 733	28	0	0.040 896	6 824	12	+1
28	0.991 036	1 929	293	−3	0.110 031	15 700	33	−3	0.047 720	6 810	14	0
29	+0.989 107	−2 222	−293	−5	+0.125 731	+15 664	−36	+1	+0.054 530	+6 794	−16	0
30	0.986 885	2 514	292	−4	0.141 395	15 622	42	−2	0.061 324	6 777	17	+2
31	0.984 371	2 805	291	−2	0.157 017	15 578	44	+4	0.068 101	6 757	20	−3
April 1	0.981 566	3 095	290	−2	0.172 595	15 527	51	−4	0.074 858	6 735	22	−5
2	0.978 471	3 385	290	−5	0.188 122	15 472	55	−3	0.081 593	6 711	24	−4
3	0.975 086	3 674	289	−3	0.203 594	15 414	58	+4	0.088 304	6 686	25	0
4	+0.971 412	−3 960	−286	+4	+0.219 008	+15 351	−63	+4	+0.094 990	+6 658	−28	0
5	0.967 452	4 248	288	−4	0.234 359	15 283	68	0	0.101 648	6 629	29	+5
6	0.963 204	4 532	284	+4	0.249 642	15 210	73	−3	0.108 277	6 598	31	+4
7	0.958 672	4 817	285	−1	0.264 852	15 133	77	0	0.114 875	6 564	34	−2
8	0.953 855	5 099	282	+4	0.279 985	15 052	81	+2	0.121 439	6 528	36	−4
9	0.948 756	5 380	281	+3	0.295 037	14 965	87	−2	0.127 967	6 490	38	−1
10	+0.943 376	−5 659	−279	+3	+0.310 002	+14 874	−91	−1	+0.134 457	+6 451	−39	+4
11	0.937 717	5 937	278	0	0.324 876	14 778	96	−3	0.140 908	6 409	42	+2
12	0.931 780	6 211	274	+3	0.339 654	14 677	101	−4	0.147 317	6 365	44	+2
13	0.925 569	6 485	274	−4	0.354 331	14 572	105	−1	0.153 682	6 320	45	+5
14	0.919 084	6 755	270	+1	0.368 903	14 462	110	0	0.160 002	6 272	48	0
15	0.912 329	7 022	267	+4	0.383 365	14 349	113	+5	0.166 274	6 223	49	0
16	+0.905 307	−7 287	−265	0	+0.397 714	+14 231	−118	+2	+0.172 497	+6 171	−52	−4
17	0.898 020	7 549	262	−2	0.411 945	14 108	123	−2	0.178 668	6 119	52	+1
18	0.890 471	7 809	260	−5	0.426 053	13 983	125	+5	0.184 787	6 064	55	−3
19	0.882 662	8 065	256	−1	0.440 036	13 853	130	+3	0.190 851	6 008	56	−1
20	0.874 597	8 319	254	−2	0.453 889	13 720	133	+4	0.196 859	5 950	58	−1
21	0.866 278	8 570	251	−1	0.467 609	13 583	137	+4	0.202 809	5 891	59	+3
22	+0.857 708	−8 818	−248	0	+0.481 192	+13 443	−140	+5	+0.208 700	+5 831	−60	+5
23	0.848 890	9 064	246	−2	0.494 635	13 299	144	+1	0.214 531	5 768	63	−1
24	0.839 826	9 306	242	+1	0.507 934	13 151	148	−2	0.220 299	5 705	63	+1
25	0.830 520	9 547	241	−3	0.521 085	13 001	150	+2	0.226 004	5 639	66	−5
26	0.820 973	9 783	236	+4	0.534 086	12 846	155	−2	0.231 643	5 572	67	−4
27	0.811 190	10 018	235	−2	0.546 932	12 689	157	+1	0.237 215	5 504	68	−1
28	+0.801 172	−10 249	−231	0	+0.559 621	+12 528	−161	−1	+0.242 719	+5 434	−70	0
29	0.790 923	10 478	229	−4	0.572 149	12 363	165	−4	0.248 153	5 363	71	+2
30	0.780 445	10 704	226	−5	0.584 512	12 196	167	0	0.253 516	5 290	73	+1
Mai 1	0.769 741	10 927	223	−3	0.596 708	12 024	172	−4	0.258 806	5 216	74	+2
2	0.758 814	−11 146	219	+2	0.608 732	+11 850	174	−1	0.264 022	+5 140	76	0
3	+0.747 668		−217	−2	+0.620 582		−178	−1	+0.269 162		−77	+1

*) ΔX, ΔY, ΔZ sind in Einheiten der 7. Dezimale gegeben.

0h Welt-Zeit	Mittleres Äquinoktium 1937.0											
	X			ΔX*)	Y			ΔY*)	Z			ΔZ*)
1937												
Mai 3	+0.747 668	−11 363	−217	−2	+0.620 582	+11 672	−178	−1	+0.269 162	+5 063	− 77	+1
4	0.736 305	11 577	214	−3	0.632 254	11 491	181	0	0.274 225	4 984	79	−1
5	0.724 728	11 787	210	0	0.643 745	11 306	185	−2	0.279 209	4 904	80	−1
6	0.712 941	11 994	207	0	0.655 051	11 118	188	−2	0.284 113	4 822	82	−4
7	0.700 947	12 198	204	−1	0.666 169	10 926	192	−3	0.288 935	4 738	84	−5
8	0.688 749	12 397	199	+3	0.677 095	10 731	195	0	0.293 673	4 654	84	+2
9	+0.676 352	−12 594	−197	−3	+0.687 826	+10 533	−198	+3	+0.298 327	+4 568	− 86	+1
10	0.663 758	12 786	192	+1	0.698 359	10 331	202	0	0.302 895	4 480	88	−2
11	0.650 972	12 973	187	+4	0.708 690	10 126	205	+1	0.307 375	4 391	89	−1
12	0.637 999	13 157	184	−2	0.718 816	9 919	207	+5	0.311 766	4 301	90	+2
13	0.624 842	13 337	180	−5	0.728 735	9 708	211	0	0.316 067	4 210	91	+3
14	0.611 505	13 511	174	0	0.738 443	9 495	213	−2	0.320 277	4 117	93	+1
15	+0.597 994	−13 682	−171	−4	+0.747 938	+ 9 279	−216	−5	+0.324 394	+4 024	− 93	+4
16	0.584 312	13 848	166	−3	0.757 217	9 061	218	−4	0.328 418	3 930	94	+4
17	0.570 464	14 010	162	−3	0.766 278	8 841	220	−4	0.332 348	3 834	96	0
18	0.556 454	14 167	157	0	0.775 119	8 618	223	−4	0.336 182	3 738	96	+2
19	0.542 287	14 321	154	−4	0.783 737	8 395	223	+4	0.339 920	3 641	97	+2
20	0.527 966	14 470	149	−2	0.792 132	8 168	227	+1	0.343 561	3 543	98	+2
21	+0.513 496	−14 615	−145	−1	+0.800 300	+ 7 941	−227	+5	+0.347 104	+3 444	− 99	+3
22	0.498 881	14 756	141	−1	0.808 241	7 710	231	−1	0.350 548	3 345	99	+5
23	0.484 125	14 893	137	+1	0.815 951	7 479	231	+3	0.353 893	3 244	101	+2
24	0.469 232	15 025	132	+4	0.823 430	7 245	234	0	0.357 137	3 143	101	+4
25	0.454 207	15 154	129	+1	0.830 675	7 010	235	0	0.360 280	3 041	102	+4
26	0.439 053	15 278	124	+1	0.837 685	6 772	238	−3	0.363 321	2 938	103	+3
27	+0.423 775	−15 399	−121	−3	+0.844 457	+ 6 534	−238	+4	+0.366 259	+2 835	−103	+4
28	0.408 376	15 515	116	−1	0.850 991	6 294	240	+3	0.369 094	2 730	105	−1
29	0.392 861	15 627	112	0	0.857 285	6 051	243	−3	0.371 824	2 625	105	+1
30	0.377 234	15 735	108	0	0.863 336	5 807	244	−1	0.374 449	2 519	106	+1
31	0.361 499	15 838	103	+1	0.869 143	5 562	245	+2	0.376 968	2 413	106	+3
Juni 1	0.345 661	15 938	100	−5	0.874 705	5 315	247	0	0.379 381	2 305	108	−2
2	+0.329 723	−16 033	− 95	−5	+0.880 020	+ 5 065	−250	−4	+0.381 686	+2 197	−108	0
3	0.313 690	16 124	91	−5	0.885 085	4 815	250	+2	0.383 883	2 088	109	0
4	0.297 566	16 210	86	−2	0.889 900	4 563	252	+3	0.385 971	1 979	109	+2
5	0.281 356	16 291	81	+1	0.894 463	4 309	254	+1	0.387 950	1 868	111	−2
6	0.265 065	16 368	77	0	0.898 772	4 054	255	+2	0.389 818	1 758	110	+2
7	0.248 697	16 439	71	+3	0.902 826	3 797	257	−1	0.391 576	1 646	112	−3
8	+0.232 258	−16 506	− 67	+2	+0.906 623	+ 3 539	−258	−1	+0.393 222	+1 534	−112	−2
9	0.215 752	16 567	61	+5	0.910 162	3 280	259	−1	0.394 756	1 422	112	0
10	0.199 185	16 623	56	+3	0.913 442	3 020	260	−2	0.396 178	1 309	113	−2
11	0.182 562	16 674	51	+1	0.916 462	2 759	261	−1	0.397 487	1 196	113	−1
12	0.165 888	−16 720	46	−1	0.919 221	+ 2 499	260	+4	0.398 683	+1 083	113	+2
13	+0.149 168		− 41	−4	+0.921 720		−262	−2	+0.399 766		−113	+3

*) ΔX, ΔY, ΔZ sind in Einheiten der 7. Dezimale gegeben.

0h Welt-Zeit	Mittleres Äquinoktium 1937.0											
	X			ΔX*)	Y			ΔY*)	Z			ΔZ*)
1937												
Juni 13	+0.149 168	−16 761	−41	−4	+0.921 720	+2 237	−262	−2	+0.399 766	+970	−113	+3
14	0.132 407	16 797	36	−4	0.923 957	1 975	262	−2	0.400 736	857	113	+2
15	0.115 610	16 828	31	−3	0.925 932	1 714	261	+1	0.401 593	743	114	−2
16	0.098 782	16 854	26	−3	0.927 646	1 451	263	−4	0.402 336	630	113	0
17	0.081 928	16 876	22	−5	0.929 097	1 190	261	+3	0.402 966	516	114	−3
18	0.065 052	16 893	17	−4	0.930 287	928	262	0	0.403 482	403	113	0
19	+0.048 159	−16 905	−12	−3	+0.931 215	+666	−262	−2	+0.403 885	+289	−114	−1
20	0.031 254	16 913	8	−5	0.931 881	404	262	−3	0.404 174	176	113	+2
21	+0.014 341	16 917	−4	−5	0.932 285	+142	262	−2	0.404 350	+62	114	+1
22	−0.002 576	16 915	+2	+2	0.932 427	−119	261	+1	0.404 412	−51	113	+5
23	0.019 491	16 909	6	+2	0.932 308	381	262	−1	0.404 361	164	113	+5
24	0.036 400	16 899	10	−1	0.931 927	642	261	+3	0.404 197	278	114	+1
25	−0.053 299	−16 884	+15	−1	+0.931 285	−902	−260	+4	+0.403 919	−391	−113	+3
26	0.070 183	16 866	18	−5	0.930 383	1 164	262	−3	0.403 528	504	113	+3
27	0.087 049	16 842	24	+1	0.929 219	1 424	260	+2	0.403 024	617	113	+2
28	0.103 891	16 814	28	+3	0.927 795	1 684	260	+1	0.402 407	731	114	−2
29	0.120 705	16 781	33	+4	0.926 111	1 945	261	−3	0.401 676	843	112	+4
30	0.137 486	16 744	37	0	0.924 166	2 204	259	+1	0.400 833	956	113	0
Juli 1	−0.154 230	−16 703	+41	−3	+0.921 962	−2 464	−260	−3	+0.399 877	−1 069	−113	−3
2	0.170 933	16 656	47	+2	0.919 498	2 723	259	−2	0.398 808	1 182	113	−3
3	0.187 589	16 605	51	+1	0.916 775	2 982	259	−4	0.397 626	1 294	112	+1
4	0.204 194	16 548	57	+3	0.913 793	3 241	259	−4	0.396 332	1 406	112	0
5	0.220 742	16 488	60	−4	0.910 552	3 498	257	+1	0.394 926	1 518	112	−1
6	0.237 230	16 421	67	+1	0.907 054	3 755	257	−1	0.393 408	1 630	112	−1
7	−0.253 651	−16 350	+71	−1	+0.903 299	−4 011	−256	−2	+0.391 778	−1 740	−110	+4
8	0.270 001	16 274	76	0	0.899 288	4 266	255	−3	0.390 038	1 851	111	0
9	0.286 275	16 192	82	+5	0.895 022	4 520	254	−4	0.388 187	1 961	110	+1
10	0.302 467	16 105	87	+4	0.890 502	4 771	251	+1	0.386 226	2 070	109	+4
11	0.318 572	16 015	90	−3	0.885 731	5 022	251	−4	0.384 156	2 178	108	+5
12	0.334 587	15 919	96	+2	0.880 709	5 271	249	−2	0.381 978	2 286	108	+2
13	−0.350 506	−15 818	+101	+4	+0.875 438	−5 517	−246	+2	+0.379 692	−2 393	−107	+3
14	0.366 324	15 714	104	0	0.869 921	5 762	245	−1	0.377 299	2 499	106	+5
15	0.382 038	15 604	110	+4	0.864 159	6 006	244	−4	0.374 800	2 604	105	+5
16	0.397 642	15 491	113	−2	0.858 153	6 246	240	+2	0.372 196	2 709	105	+2
17	0.413 133	15 374	117	−4	0.851 907	6 486	240	−3	0.369 487	2 812	103	+4
18	0.428 507	15 252	122	−1	0.845 421	6 723	237	−1	0.366 675	2 915	103	0
19	−0.443 759	−15 126	+126	−1	+0.838 698	−6 958	−235	−2	+0.363 760	−3 017	−102	−2
20	0.458 885	14 997	129	−3	0.831 740	7 192	234	−5	0.360 743	3 119	102	−5
21	0.473 882	14 863	134	+2	0.824 548	7 423	231	−2	0.357 624	3 219	100	0
22	0.488 745	14 725	138	+5	0.817 125	7 652	229	0	0.354 405	3 318	99	+2
23	0.503 470	−14 583	142	+3	0.809 473	−7 879	227	−1	0.351 087	−3 417	99	−1
24	−0.518 053		+144	−3	+0.801 594		−225	−2	+0.347 670		−98	0

*) ΔX, ΔY, ΔZ sind in Einheiten der 7. Dezimale gegeben.

0^h Welt-Zeit		X			ΔX*)	Y			ΔY*)	Z			ΔZ*)
		Mittleres Äquinoktium 1937.0											
1937													
Juli	24	−0.518 053	−14 439	+144	−3	+0.801 594	− 8 104	−225	−2	+0.347 670	−3 515	−98	0
	25	0.532 492	14 289	150	+3	0.793 490	8 328	224	−4	0.344 155	3 611	96	+4
	26	0.546 781	14 136	153	+2	0.785 162	8 548	220	+2	0.340 544	3 708	97	−2
	27	0.560 917	13 979	157	0	0.776 614	8 768	220	−1	0.336 836	3 802	94	+2
	28	0.574 896	13 819	160	−3	0.767 846	8 984	216	+5	0.333 034	3 897	95	−5
	29	0.588 715	13 653	166	+3	0.758 862	9 199	215	+2	0.329 137	3 991	94	−4
	30	−0.602 368	−13 485	+168	−4	+0.749 663	− 9 412	−213	+1	+0.325 146	−4 083	−92	+2
	31	0.615 853	13 312	173	−3	0.740 251	9 622	210	+2	0.321 063	4 174	91	+5
Aug.	1	0.629 165	13 135	177	−2	0.730 629	9 830	208	−1	0.316 889	4 264	90	+4
	2	0.642 300	12 954	181	−1	0.720 799	10 036	206	−4	0.312 625	4 353	89	+1
	3	0.655 254	12 768	186	+3	0.710 763	10 239	203	−4	0.308 272	4 442	89	−4
	4	0.668 022	12 579	189	0	0.700 524	10 439	200	−4	0.303 830	4 528	86	0
	5	−0.680 601	−12 385	+194	+2	+0.690 085	−10 637	−198	−5	+0.299 302	−4 614	−86	−3
	6	0.692 986	12 188	197	0	0.679 448	10 830	193	+2	0.294 688	4 698	84	0
	7	0.705 174	11 986	202	+3	0.668 618	11 021	191	−1	0.289 990	4 780	82	+3
	8	0.717 160	11 781	205	+1	0.657 597	11 209	188	−2	0.285 210	4 862	82	−1
	9	0.728 941	11 572	209	0	0.646 388	11 392	183	+2	0.280 348	4 941	79	+4
	10	0.740 513	11 361	211	−4	0.634 996	11 573	181	−3	0.275 407	5 019	78	+4
	11	−0.751 874	−11 145	+216	+1	+0.623 423	−11 750	−177	−3	+0.270 388	−5 096	−77	+2
	12	0.763 019	10 927	218	0	0.611 673	11 923	173	−1	0.265 292	5 171	75	+4
	13	0.773 946	10 705	222	+3	0.599 750	12 093	170	−4	0.260 121	5 244	73	+5
	14	0.784 651	10 481	224	0	0.587 657	12 260	167	−5	0.254 877	5 317	73	+1
	15	0.795 132	10 254	227	0	0.575 397	12 422	162	+1	0.249 560	5 387	70	+5
	16	0.805 386	10 023	231	+2	0.562 975	12 581	159	0	0.244 173	5 456	69	+4
	17	−0.815 409	− 9 791	+232	−4	+0.550 394	−12 737	−156	−4	+0.238 717	−5 523	−67	+3
	18	0.825 200	9 556	235	−4	0.537 657	12 889	152	−3	0.233 194	5 590	67	−4
	19	0.834 756	9 318	238	−1	0.524 768	13 038	149	−3	0.227 604	5 654	64	0
	20	0.844 074	9 077	241	0	0.511 730	13 182	144	+2	0.221 950	5 717	63	−1
	21	0.853 151	8 835	242	−4	0.498 548	13 324	142	−2	0.216 233	5 779	62	−2
	22	0.861 986	8 590	245	−1	0.485 224	13 462	138	−1	0.210 454	5 839	60	+1
	23	−0.870 576	− 8 342	+248	+4	+0.471 762	−13 596	−134	+2	+0.204 615	−5 897	−58	+5
	24	0.878 918	8 091	251	+5	0.458 166	13 727	131	−1	0.198 718	5 954	57	+4
	25	0.887 009	7 840	251	−3	0.444 439	13 855	128	−5	0.192 764	6 009	55	+3
	26	0.894 849	7 584	256	+4	0.430 584	13 979	124	−5	0.186 755	6 064	55	−3
	27	0.902 433	7 327	257	+1	0.416 605	14 100	121	−5	0.180 691	6 116	52	+2
	28	0.909 760	7 066	261	+4	0.402 505	14 216	116	0	0.174 575	6 166	50	+4
	29	−0.916 826	− 6 804	+262	0	+0.388 289	−14 330	−114	−4	+0.168 409	−6 216	−50	−3
	30	0.923 630	6 538	266	+3	0.373 959	14 438	108	+3	0.162 193	6 263	47	0
	31	0.930 168	6 271	267	−2	0.359 521	14 544	106	−2	0.155 930	6 308	45	0
Sept.	1	0.936 439	6 000	271	+1	0.344 977	14 644	100	+3	0.149 622	6 353	45	−4
	2	0.942 439	− 5 728	272	−4	0.330 333	−14 741	97	−2	0.143 269	−6 394	41	+4
	3	−0.948 167		+274	−4	+0.315 592		− 92	−3	+0.136 875		−39	+5

*) ΔX, ΔY, ΔZ sind in Einheiten der 7. Dezimale gegeben.

0h Welt-Zeit	Mittleres Äquinoktium 1937.0											
	X			ΔX*)	Y			ΔY*)	Z			ΔZ*)
1937												
Sept. 3	−0.948 167	−5 454	+274	−4	+0.315 592	−14 833	−92	−3	+0.136 875	−6 433	−39	+5
4	0.953 621	5 177	277	+3	0.300 759	14 921	88	−5	0.130 442	6 472	39	−2
5	0.958 798	4 898	279	+5	0.285 838	15 004	83	−4	0.123 970	6 507	35	+3
6	0.963 696	4 618	280	+2	0.270 834	15 083	79	−3	0.117 463	6 542	35	−1
7	0.968 314	4 336	282	0	0.255 751	15 156	73	+3	0.110 921	6 573	31	+5
8	0.972 650	4 054	282	−5	0.240 595	15 225	69	+1	0.104 348	6 603	30	+3
9	−0.976 704	−3 769	+285	0	+0.225 370	−15 290	−65	−3	+0.097 745	−6 631	−28	+2
10	0.980 473	3 484	285	−3	0.210 080	15 350	60	−1	0.091 114	6 657	26	+3
11	0.983 957	3 198	286	−3	0.194 730	15 405	55	+2	0.084 457	6 681	24	+4
12	0.987 155	2 911	287	0	0.179 325	15 456	51	+1	0.077 776	6 702	21	+5
13	0.990 066	2 622	289	+3	0.163 869	15 502	46	+2	0.071 074	6 723	21	−4
14	0.992 688	2 334	288	−4	0.148 367	15 544	42	0	0.064 351	6 741	18	−4
15	−0.995 022	−2 045	+289	−5	+0.132 823	−15 581	−37	0	+0.057 610	−6 758	−17	−5
16	0.997 067	1 755	290	−3	0.117 242	15 614	33	−2	0.050 852	6 772	14	0
17	0.998 822	1 465	290	−4	0.101 628	15 643	29	−2	0.044 080	6 784	12	+2
18	1.000 287	1 175	290	−3	0.085 985	15 666	23	+3	0.037 296	6 795	11	−1
19	1.001 462	883	292	+4	0.070 319	15 687	21	−3	0.030 501	6 804	9	+1
20	1.002 345	592	291	0	0.054 632	15 702	15	+1	0.023 697	6 810	6	+5
21	−1.002 937	− 301	+291	−1	+0.038 930	−15 714	−12	0	+0.016 887	−6 816	− 6	−1
22	1.003 238	− 8	293	+3	0.023 216	15 721	7	+4	0.010 071	6 819	3	+2
23	1.003 246	+ 284	292	−2	+0.007 495	15 723	− 2	+5	+0.003 252	6 820	− 1	+3
24	1.002 962	577	293	−2	−0.008 228	15 723	0	−4	−0.003 568	6 820	0	−2
25	1.002 385	870	293	−3	0.023 951	15 717	+ 6	0	0.010 388	6 818	+ 2	−2
26	1.001 515	1 164	294	0	0.039 668	15 707	10	−1	0.017 206	6 813	5	+3
27	−1.000 351	+1 458	+294	+1	−0.055 375	−15 692	+15	−1	−0.024 019	−6 807	+ 6	+2
28	0.998 893	1 753	295	+2	0.071 067	15 673	19	−5	0.030 826	6 798	9	+4
29	0.997 140	2 047	294	−3	0.086 740	15 649	24	−5	0.037 624	6 787	11	+2
30	0.995 093	2 341	294	−4	0.102 389	15 620	29	−4	0.044 411	6 775	12	−5
Okt. 1	0.992 752	2 635	294	−2	0.118 009	15 586	34	−3	0.051 186	6 760	15	−4
2	0.990 117	2 930	295	+3	0.133 595	15 548	38	−4	0.057 946	6 744	16	−5
3	−0.987 187	+3 222	+292	−4	−0.149 143	−15 503	+45	+4	−0.064 690	−6 724	+20	+4
4	0.983 965	3 515	293	+2	0.164 646	15 455	48	−1	0.071 414	6 702	22	+4
5	0.980 450	3 807	292	+4	0.180 101	15 401	54	+2	0.078 116	6 679	23	−2
6	0.976 643	4 098	291	+4	0.195 502	15 342	59	+2	0.084 795	6 654	25	−4
7	0.972 545	4 387	289	0	0.210 844	15 279	63	−3	0.091 449	6 626	28	−2
8	0.968 158	4 675	288	0	0.226 123	15 211	68	−2	0.098 075	6 597	29	−4
9	−0.963 483	+4 962	+287	+2	−0.241 334	−15 138	+73	0	−0.104 672	−6 565	+32	0
10	0.958 521	5 247	285	+2	0.256 472	15 060	78	+2	0.111 237	6 531	34	0
11	0.953 274	5 531	284	+5	0.271 532	14 978	82	−2	0.117 768	6 496	35	−3
12	0.947 743	5 813	282	+4	0.286 510	14 892	86	−3	0.124 264	6 458	38	−1
13	0.941 930	+6 093	280	+2	0.301 402	−14 800	92	+2	0.130 722	−6 419	39	−3
14	−0.935 837		+279	+3	−0.316 202		+95	−1	−0.137 141		+41	−1

*) ΔX, ΔY, ΔZ sind in Einheiten der 7. Dezimale gegeben.

0h Welt-Zeit	Mittleres Äquinoktium 1937.0											
	X			ΔX*)	Y			ΔY*)	Z			ΔZ*)
1937												
Okt. 14	−0.935 837	+ 6 372	+279	+3	−0.316 202	−14 705	+ 95	−1	−0.137 141	−6 378	+ 41	−1
15	0.929 465	6 647	275	−3	0.330 907	14 605	100	+2	0.143 519	6 334	44	+4
16	0.922 818	6 922	275	+4	0.345 512	14 501	104	+3	0.149 853	6 289	45	+1
17	0.915 896	7 195	273	+4	0.360 013	14 392	109	+4	0.156 142	6 243	46	−3
18	0.908 701	7 464	269	−3	0.374 405	14 281	111	−2	0.162 385	6 194	49	+1
19	0.901 237	7 733	269	+3	0.388 686	14 164	117	+3	0.168 579	6 144	50	−1
20	−0.893 504	+ 7 999	+266	+2	−0.402 850	−14 044	+120	−1	−0.174 723	−6 092	+ 52	+1
21	0.885 505	8 264	265	+4	0.416 894	13 921	123	−4	0.180 815	6 038	54	+2
22	0.877 241	8 526	262	−1	0.430 815	13 792	129	+4	0.186 853	5 983	55	0
23	0.868 715	8 787	261	0	0.444 607	13 660	132	+1	0.192 836	5 925	58	+3
24	0.859 928	9 045	258	−4	0.458 267	13 524	136	−1	0.198 761	5 866	59	−1
25	0.850 883	9 302	257	−2	0.471 791	13 384	140	−1	0.204 627	5 806	60	−4
26	−0.841 581	+ 9 556	+254	−4	−0.485 175	−13 239	+145	+4	−0.210 433	−5 742	+ 64	+3
27	0.832 025	9 808	252	−4	0.498 414	13 089	150	+5	0.216 175	5 678	64	−1
28	0.822 217	10 057	249	−3	0.511 503	12 937	152	−3	0.221 853	5 611	67	+3
29	0.812 160	10 305	248	+2	0.524 440	12 778	159	+2	0.227 464	5 542	69	+4
30	0.801 855	10 548	243	−5	0.537 218	12 617	161	−5	0.233 006	5 472	70	0
31	0.791 307	10 789	241	−2	0.549 835	12 451	166	−3	0.238 478	5 400	72	0
Nov. 1	−0.780 518	+11 027	+238	+1	−0.562 286	−12 280	+171	+3	−0.243 878	−5 325	+ 75	+4
2	0.769 491	11 262	235	+2	0.574 566	12 105	175	+4	0.249 203	5 250	75	−1
3	0.758 229	11 493	231	−2	0.586 671	11 926	179	+2	0.254 453	5 172	78	+2
4	0.746 736	11 720	227	−4	0.598 597	11 744	182	−2	0.259 625	5 093	79	+1
5	0.735 016	11 944	224	−2	0.610 341	11 557	187	0	0.264 718	5 012	81	+2
6	0.723 072	12 164	220	0	0.621 898	11 367	190	−3	0.269 730	4 929	83	+3
7	−0.710 908	+12 381	+217	+3	−0.633 265	−11 173	+194	−2	−0.274 659	−4 845	+ 84	0
8	0.698 527	12 593	212	+1	0.644 438	10 975	198	−1	0.279 504	4 760	85	−4
9	0.685 934	12 802	209	+2	0.655 413	10 775	200	−5	0.284 264	4 673	87	−2
10	0.673 132	13 006	204	−3	0.666 188	10 570	205	0	0.288 937	4 584	89	+1
11	0.660 126	13 206	200	−4	0.676 758	10 363	207	−2	0.293 521	4 494	90	0
12	0.646 920	13 402	196	−1	0.687 121	10 152	211	+2	0.298 015	4 403	91	−4
13	−0.633 518	+13 595	+193	+3	−0.697 273	− 9 938	+214	+2	−0.302 418	−4 311	+ 92	−5
14	0.619 923	13 782	187	−3	0.707 211	9 722	216	−2	0.306 729	4 217	94	−2
15	0.606 141	13 966	184	−2	0.716 933	9 503	219	−1	0.310 946	4 122	95	−2
16	0.592 175	14 145	179	−3	0.726 436	9 281	222	+1	0.315 068	4 026	96	−2
17	0.578 030	14 321	176	+1	0.735 717	9 056	225	+1	0.319 094	3 929	97	−1
18	0.563 709	14 493	172	+1	0.744 773	8 830	226	−5	0.323 023	3 830	99	+2
19	−0.549 216	+14 660	+167	−3	−0.753 603	− 8 600	+230	−1	−0.326 853	−3 731	+ 99	−1
20	0.534 556	14 824	164	0	0.762 203	8 368	232	−1	0.330 584	3 630	101	+2
21	0.519 732	14 984	160	+1	0.770 571	8 133	235	+1	0.334 214	3 528	102	+2
22	0.504 748	15 139	155	−1	0.778 704	7 895	238	+2	0.337 742	3 425	103	+2
23	0.489 609	+15 291	152	+3	0.786 599	− 7 655	240	0	0.341 167	−3 320	105	+4
24	−0.474 318		+147	+2	−0.794 254		+244	+2	−0.344 487		+105	0

*) ΔX, ΔY, ΔZ sind in Einheiten der 7. Dezimale gegeben.

0h Welt-Zeit	Mittleres Äquinoktium 1937.0											
	X			ΔX*)	Y			ΔY*)	Z			ΔZ*)
1937												
Nov. 24	−0.474 318	+15 438	+147	+2	−0.794 254	−7 411	+244	+2	−0.344 487	−3 215	+105	0
25	0.458 880	15 581	143	+4	0.801 665	7 166	245	−4	0.347 702	3 108	107	+2
26	0.443 299	15 719	138	+3	0.808 831	6 917	249	−1	0.350 810	3 000	108	+3
27	0.427 580	15 853	134	+3	0.815 748	6 666	251	−2	0.353 810	2 891	109	+4
28	0.411 727	15 980	127	−4	0.822 414	6 412	254	0	0.356 701	2 780	111	+5
29	0.395 747	16 105	125	+3	0.828 826	6 156	256	−1	0.359 481	2 670	110	−1
30	−0.379 642	+16 222	+117	−4	−0.834 982	−5 898	+258	−1	−0.362 151	−2 557	+113	+5
Dez. 1	0.363 420	16 336	114	+2	0.840 880	5 637	261	+3	0.364 708	2 444	113	+2
2	0.347 084	16 444	108	−1	0.846 517	5 374	263	+2	0.367 152	2 330	114	0
3	0.330 640	16 546	102	−4	0.851 891	5 110	264	−2	0.369 482	2 216	114	−4
4	0.314 094	16 644	98	0	0.857 001	4 844	266	−1	0.371 698	2 100	116	0
5	0.297 450	16 735	91	−3	0.861 845	4 575	269	+3	0.373 798	1 984	116	−2
6	−0.280 715	+16 822	+ 87	+3	−0.866 420	−4 307	+268	−4	−0.375 782	−1 867	+117	−2
7	0.263 893	16 903	81	+2	0.870 727	4 035	272	+3	0.377 649	1 750	117	−4
8	0.246 990	16 979	76	+2	0.874 762	3 764	271	−3	0.379 399	1 632	118	−4
9	0.230 011	17 048	69	−3	0.878 526	3 490	274	+2	0.381 031	1 514	118	−5
10	0.212 963	17 113	65	+1	0.882 016	3 217	273	−3	0.382 545	1 395	119	−3
11	0.195 850	17 172	59	+2	0.885 233	2 941	276	+3	0.383 940	1 277	118	−5
12	−0.178 678	+17 226	+ 54	+4	−0.888 174	−2 667	+274	−4	−0.385 217	−1 156	+121	+4
13	0.161 452	17 274	48	+3	0.890 841	2 390	277	+4	0.386 373	1 038	118	−4
14	0.144 178	17 318	44	+5	0.893 231	2 113	277	+2	0.387 411	917	121	+4
15	0.126 860	17 356	38	0	0.895 344	1 837	276	−5	0.388 328	798	119	−1
16	0.109 504	17 388	32	−4	0.897 181	1 560	277	−4	0.389 126	677	121	+5
17	0.092 116	17 417	29	+2	0.898 741	1 282	278	−2	0.389 803	557	120	+2
18	−0.074 699	+17 440	+ 23	−1	−0.900 023	−1 005	+277	−5	−0.390 360	− 436	+121	+4
19	0.057 259	17 458	18	−3	0.901 028	726	279	+2	0.390 796	315	121	+2
20	0.039 801	17 471	13	−2	0.901 754	447	279	+1	0.391 111	195	120	−3
21	0.022 330	17 480	9	+1	0.902 201	− 168	279	−2	0.391 306	− 73	122	+3
22	−0.004 850	17 482	+ 2	−4	0.902 369	+ 111	279	−3	0.391 379	+ 48	121	+2
23	+0.012 632	17 480	− 2	0	0.902 258	392	281	+2	0.391 331	170	122	+5
24	+0.030 112	+17 473	− 7	+1	−0.901 866	+ 672	+280	−2	−0.391 161	+ 292	+122	+5
25	0.047 585	17 459	14	−5	0.901 194	952	280	−2	0.390 869	414	122	+2
26	0.065 044	17 440	19	−3	0.900 242	1 233	281	+2	0.390 455	535	121	−3
27	0.082 484	17 416	24	+1	0.899 009	1 513	280	+1	0.389 920	657	122	−1
28	0.099 900	17 386	30	+1	0.897 496	1 794	281	+5	0.389 263	778	121	−1
29	0.117 286	17 351	35	+1	0.895 702	2 073	279	0	0.388 485	900	122	+4
30	+0.134 637	+17 309	− 42	−5	−0.893 629	+2 353	+280	+5	−0.387 585	+1 021	+121	+3
31	0.151 946	+17 262	47	−4	0.891 276	+2 632	279	+3	0.386 564	+1 142	121	+4
32	+0.169 208		− 53	−5	−0.888 644		+277	−2	−0.385 422		+121	+4

*) ΔX, ΔY, ΔZ sind in Einheiten der 7. Dezimale gegeben.

Frühlingsäquinoktium	21. März	$0^h 45^m$	Herbstäquinoktium	23. Sept.	$11^h 13^m$
Sommersolstitium	21. Juni	20 12	Wintersolstitium	22. Dez.	6 22

Erdnähe 1. Jan. 14^h
Erdferne 5. Juli 3

Tag		0ʰ Welt-Zeit			
		Aberration	Parallaxe	Mittlere Länge $L_{\odot}$	Mittlere Anomalie $M_{\odot}$
1937					
Jan.	1	20.″82	8.″95	280.°2276	358.°37
	11	20.81	8.95	290.0841	8.23
	21	20.80	8.94	299.9406	18.08
	31	20.78	8.93	309.7971	27.94
Febr.	10	20.74	8.92	319.6535	37.79
	20	20.70	8.90	329.5100	47.65
März	2	20.65	8.88	339.3665	57.51
	12	20.60	8.85	349.2230	67.36
	22	20.54	8.83	359.0794	77.22
April	1	20.48	8.81	8.9359	87.07
	11	20.42	8.78	18.7924	96.93
	21	20.37	8.76	28.6488	106.79
Mai	1	20.31	8.73	38.5053	116.64
	11	20.26	8.71	48.3618	126.50
	21	20.22	8.69	58.2183	136.35
	31	20.19	8.68	68.0747	146.21
Juni	10	20.16	8.67	77.9312	156.07
	20	20.14	8.66	87.7877	165.92
	30	20.13	8.66	97.6442	175.78
Juli	10	20.13	8.66	107.5006	185.63
	20	20.15	8.66	117.3571	195.49
	30	20.16	8.67	127.2136	205.35
Aug.	9	20.19	8.68	137.0701	215.20
	19	20.23	8.70	146.9265	225.06
	29	20.27	8.71	156.7830	234.91
Sept.	8	20.32	8.74	166.6395	244.77
	18	20.37	8.76	176.4959	254.63
	28	20.43	8.78	186.3524	264.48
Okt.	8	20.49	8.81	196.2089	274.34
	18	20.55	8.83	206.0654	284.19
	28	20.61	8.86	215.9218	294.05
Nov.	7	20.66	8.88	225.7783	303.91
	17	20.71	8.90	235.6348	313.76
	27	20.75	8.92	245.4913	323.62
Dez.	7	20.78	8.93	255.3477	333.47
	17	20.80	8.94	265.2042	343.33
	27	20.82	8.95	275.0607	353.19
	37	20.82	8.95	284.9172	3.04

Tag		0h Welt-Zeit									
		Scheinbare Rektaszension		Scheinbare Deklination		Parallaxe		Halbmesser		Länge	Breite
1937		h m s	m s	° ′	° ′	′ ″	″	′ ″	″	°	°
Jan.	0	9 8 4	49 57	+12 9.2	4 49.2	57 35.8	50.6	15 43.1	13.8	135.807	−4.133
	1	9 58 1	47 22	+ 7 20.0	4 59.7	56 45.2	47.2	15 29.3	12.8	149.046	−4.771
	2	10 45 23	45 44	+ 2 20.3	4 57.1	55 58.0	40.7	15 16.5	11.1	161.900	−5.147
	3	11 31 7	45 2	− 2 36.8	4 44.4	55 17.3	31.9	15 5.4	8.7	174.409	−5.267
	4	12 16 9	45 11	− 7 21.2	4 22.9	54 45.4	21.9	14 56.7	6.0	186.630	−5.142
	5	13 1 20	46 5	−11 44.1	3 53.5	54 23.5	11.4	14 50.7	3.1	198.637	−4.794
	6	13 47 25	47 36	−15 37.6	3 15.7	54 12.1	1.1	14 47.6	0.3	210.511	−4.244
	7	14 35 1	49 27	−18 53.3	2 29.3	54 11.0	8.5	14 47.3	2.3	222.333	−3.516
	8	15 24 28	51 20	−21 22.6	1 34.3	54 19.5	16.8	14 49.6	4.6	234.183	−2.636
	9	16 15 48	52 53	−22 56.9	0 31.5	54 36.3	23.5	14 54.2	6.4	246.135	−1.635
	10	17 8 41	53 49	−23 28.4	0 36.5	54 59.8	28.4	15 0.6	7.7	258.249	−0.548
	11	18 2 30	53 56	−22 51.9	1 45.7	55 28.2	31.1	15 8.3	8.5	270.576	+0.580
	12	18 56 26	53 19	−21 6.2	2 51.3	55 59.3	32.0	15 16.8	8.7	283.149	+1.701
	13	19 49 45	52 17	−18 14.9	3 49.0	56 31.3	31.1	15 25.5	8.5	295.983	+2.758
	14	20 42 2	51 13	−14 25.9	4 35.2	57 2.4	29.1	15 34.0	7.9	309.077	+3.689
	15	21 33 15	50 27	− 9 50.7	5 7.6	57 31.5	26.2	15 41.9	7.2	322.416	+4.437
	16	22 23 42	50 20	− 4 43.1	5 24.9	57 57.7	23.2	15 49.1	6.3	335.971	+4.950
	17	23 14 2	50 59	+ 0 41.8	5 26.1	58 20.9	20.1	15 55.4	5.4	349.709	+5.187
	18	0 5 1	52 29	+ 6 7.9	5 10.4	58 41.0	16.9	16 0.8	4.7	3.597	+5.125
	19	0 57 30	54 44	+11 18.3	4 36.7	58 57.9	13.4	16 5.5	3.6	17.603	+4.759
	20	1 52 14	57 25	+15 55.0	3 44.2	59 11.3	9.3	16 9.1	2.6	31.699	+4.106
	21	2 49 39	59 58	+19 39.2	2 33.8	59 20.6	4.1	16 11.7	1.1	45.861	+3.200
	22	3 49 37	61 41	+22 13.0	1 9.5	59 24.7	2.6	16 12.8	0.7	60.063	+2.095
	23	4 51 18	61 57	+23 22.5	0 21.5	59 22.1	10.5	16 12.1	2.9	74.273	+0.861
	24	5 53 15	60 34	+23 1.0	1 49.2	59 11.6	19.0	16 9.2	5.2	88.448	−0.421
	25	6 53 49	57 55	+21 11.8	3 4.7	58 52.6	27.4	16 4.0	7.4	102.535	−1.667
	26	7 51 44	54 42	+18 7.1	4 2.0	58 25.2	34.3	15 56.6	9.4	116.473	−2.797
	27	8 46 26	51 31	+14 5.1	4 39.7	57 50.9	39.2	15 47.2	10.7	130.198	−3.745
	28	9 37 57	48 54	+ 9 25.4	4 59.1	57 11.7	41.0	15 36.5	11.2	143.655	−4.462
	29	10 26 51	47 2	+ 4 26.3	5 2.9	56 30.7	39.8	15 25.3	10.8	156.807	−4.924
	30	11 13 53	45 57	− 0 36.6	4 54.0	55 50.9	35.6	15 14.5	9.7	169.639	−5.124
	31	11 59 50	45 42	− 5 30.6	4 34.7	55 15.3	28.9	15 4.8	7.9	182.161	−5.070
Febr.	1	12 45 32	46 9	−10 5.3	4 6.6	54 46.4	20.4	14 56.9	5.5	194.408	−4.784
	2	13 31 41	47 13	−14 11.9	3 30.2	54 26.0	10.4	14 51.4	2.8	206.437	−4.289
	3	14 18 54	48 42	−17 42.1	2 46.1	54 15.6	0.1	14 48.6	0.0	218.321	−3.614
	4	15 7 36	50 23	−20 28.2	1 54.0	54 15.7	10.6	14 48.6	2.9	230.142	−2.788
	5	15 57 59	51 58	−22 22.2	0 54.7	54 26.3	20.6	14 51.5	5.6	241.990	−1.840
	6	16 49 57	53 9	−23 16.9	0 10.5	54 46.9	29.1	14 57.1	7.9	253.953	−0.804
	7	17 43 6	53 43	−23 6.4	1 18.7	55 16.0	35.8	15 5.0	9.8	266.114	+0.283
	8	18 36 49	53 41	−21 47.7	2 26.2	55 51.8	40.0	15 14.8	10.9	278.545	+1.379
	9	19 30 30	53 8	−19 21.5	3 28.9	56 31.8	41.2	15 25.7	11.2	291.300	+2.432
	10	20 23 38		−15 52.6		57 13.0		15 36.9		304.407	+3.383

Tag	Obere Kulmination in Greenwich							0h Länge, + 50° Breite			
	AR.	Änderung für 1h westl. Länge	Dekl.	Änderung für 1h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1h westl. Länge	Aufgang	Änderung für 1h westl. Länge	Untergang	Änderung für 1h westl. Länge
1937	h m s	s	° ′	′	′	h m	m	h m	m	h m	m
Jan. 0	9 13 38	132	+11 38.8	−12.1	57.5	2 36.2	2.04	20 33	3.1	9 39	1.0
1	10 4 50	124	+ 6 38.0	−12.8	56.6	3 23.4	1.90	21 44	2.9	10 0	0.8
2	10 53 21	119	+ 1 28.7	−12.9	55.8	4 7.8	1.82	22 52	2.8	10 19	0.8
3	11 40 14	116	− 3 35.6	−12.4	55.2	4 50.7	1.77	23 59	2.8	10 37	0.8
4	12 26 33	116	− 8 24.2	−11.6	54.7	5 32.9	1.77	— —	—	10 56	0.8
5	13 13 14	118	−12 48.2	−10.3	54.3	6 15.5	1.80	1 5	2.8	11 16	0.9
6	14 1 6	122	−16 38.8	− 8.8	54.2	6 59.3	1.87	2 11	2.7	11 40	1.1
7	14 50 46	127	−19 47.0	− 6.8	54.2	7 44.9	1.95	3 16	2.6	12 8	1.3
8	15 42 32	132	−22 2.9	− 4.4	54.4	8 32.6	2.03	4 18	2.5	12 43	1.6
9	16 36 18	137	−23 17.1	− 1.7	54.7	9 22.3	2.11	5 17	2.3	13 26	2.0
10	17 31 33	139	−23 21.4	+ 1.4	55.2	10 13.5	2.15	6 10	2.1	14 18	2.4
11	18 27 27	140	−22 11.6	+ 4.5	55.7	11 5.3	2.16	6 56	1.7	15 19	2.7
12	19 23 5	138	−19 48.7	+ 7.4	56.3	11 56.8	2.14	7 33	1.4	16 27	2.9
13	20 17 45	135	−16 19.3	+10.0	56.8	12 47.4	2.09	8 5	1.2	17 39	3.0
14	21 11 12	132	−11 54.6	+12.0	57.3	13 36.8	2.04	8 31	1.0	18 53	3.1
15	22 3 37	130	− 6 48.8	+13.4	57.8	14 25.2	2.00	8 54	0.9	20 8	3.2
16	22 55 35	130	− 1 18.1	+14.1	58.2	15 13.0	2.00	9 15	0.9	21 25	3.2
17	23 47 57	132	+ 4 20.4	+14.0	58.6	16 1.3	2.04	9 36	0.9	22 42	3.2
18	0 41 40	137	+ 9 48.5	+13.2	58.9	16 51.0	2.12	9 58	1.0	— —	—
19	1 37 39	143	+14 46.8	+11.5	59.1	17 42.9	2.23	10 22	1.1	0 0	3.3
20	2 36 33	151	+18 54.5	+ 9.0	59.3	18 37.7	2.35	10 52	1.4	1 19	3.3
21	3 38 26	158	+21 50.8	+ 5.6	59.4	19 35.5	2.47	11 28	1.7	2 38	3.2
22	4 42 29	162	+23 18.1	+ 1.6	59.4	20 35.4	2.52	12 15	2.2	3 52	2.9
23	5 47 6	161	+23 7.3	− 2.5	59.2	21 35.9	2.50	13 13	2.6	4 59	2.5
24	6 50 19	155	+21 20.5	− 6.3	58.9	22 35.0	2.41	14 21	3.0	5 54	2.1
25	7 50 37	146	+18 11.5	− 9.3	58.4	23 31.2	2.28	15 36	3.2	6 38	1.6
26	— — —	—	— —	—	—	— —	—	16 53	3.2	7 12	1.3
27	8 47 18	137	+14 0.7	−11.4	57.8	0 23.8	2.12	18 9	3.1	7 40	1.0
28	9 40 29	129	+ 9 10.6	−12.6	57.2	1 12.9	1.99	19 22	3.0	8 2	0.9
29	10 30 49	123	+ 4 1.2	−13.0	56.5	1 59.2	1.88	20 33	2.9	8 23	0.8
30	11 19 8	119	− 1 10.6	−12.8	55.8	2 43.4	1.82	21 42	2.8	8 42	0.8
31	12 6 23	118	− 6 11.4	−12.1	55.2	3 26.6	1.80	22 49	2.8	9 0	0.8
Febr. 1	12 53 29	118	−10 50.3	−11.0	54.7	4 9.7	1.81	23 55	2.8	9 21	0.9
2	13 41 12	121	−14 57.9	− 9.5	54.4	4 53.3	1.85	—	—	9 43	1.0
3	14 30 11	125	−18 25.4	− 7.7	54.2	5 38.2	1.91	1 1	2.7	10 9	1.2
4	15 20 54	129	−21 4.1	− 5.5	54.3	6 24.9	1.99	2 4	2.6	10 41	1.5
5	16 13 28	134	−22 45.2	− 3.0	54.5	7 13.4	2.06	3 4	2.4	11 20	1.8
6	17 7 42	137	−23 20.8	0.0	54.9	8 3.5	2.12	4 0	2.2	12 7	2.2
7	18 3 1	139	−22 45.2	+ 3.0	55.5	8 54.8	2.15	4 48	1.9	13 4	2.5
8	18 58 43	139	−20 56.1	+ 6.1	56.1	9 46.4	2.15	5 29	1.6	14 9	2.8
9	19 54 6	138	−17 56.3	+ 8.9	56.8	10 37.7	2.13	6 4	1.3	15 20	3.0
10	20 48 46	136	−13 53.3	+11.3	57.5	11 28.3	2.10	6 32	1.1	16 34	3.1

Tag	0ʰ Welt-Zeit									
	Scheinbare Rektaszension	Δ	Scheinbare Deklination	Δ	Parallaxe	Δ	Halbmesser	Δ	Länge	Breite
1937	h m s	m s	° ′	° ′	′ ″	″	′ ″	″	°	°
Febr. 10	20 23 38	52 24	−15 52.6	4 22.1	57 13.0	39.3	15 36.9	10.7	304.407	+3.383
11	21 16 2	51 48	−11 30.5	5 2.6	57 52.3	34.5	15 47.6	9.4	317.866	+4.171
12	22 7 50	51 39	− 6 27.9	5 27.1	58 26.8	27.3	15 57.0	7.4	331.643	+4.736
13	22 59 29	52 5	− 1 0.8	5 33.9	58 54.1	19.0	16 4.4	5.2	345.675	+5.027
14	23 51 34	53 14	+ 4 33.1	5 21.6	59 13.1	10.3	16 9.6	2.8	359.881	+5.015
15	0 44 48	55 0	+ 9 54.7	4 49.5	59 23.4	2.3	16 12.4	0.6	14.172	+4.690
16	1 39 48	57 8	+14 44.2	3 58.3	59 25.7	4.3	16 13.0	1.1	28.469	+4.074
17	2 36 56	59 9	+18 42.5	2 50.3	59 21.4	9.7	16 11.9	2.8	42.708	+3.206
18	3 36 5	60 31	+21 32.8	1 29.5	59 11.7	13.9	16 9.1	3.7	56.851	+2.146
19	4 36 36	60 42	+23 2.3	0 2.6	58 57.8	17.4	16 5.4	4.7	70.878	+0.965
20	5 37 18	59 33	+23 4.9	1 22.2	58 40.4	20.6	16 0.7	5.6	84.781	−0.263
21	6 36 51	57 18	+21 42.7	2 37.5	58 19.8	23.5	15 55.1	6.4	98.556	−1.462
22	7 34 9	54 31	+19 5.2	3 38.0	57 56.3	26.6	15 48.7	7.3	112.197	−2.564
23	8 28 40	51 42	+15 27.2	4 21.6	57 29.7	29.1	15 41.4	7.9	125.689	−3.506
24	9 20 22	49 18	+11 5.6	4 48.3	57 0.6	31.1	15 33.5	8.5	139.010	−4.243
25	10 9 40	47 30	+ 6 17.3	4 59.4	56 29.5	31.6	15 25.0	8.5	152.132	−4.741
26	10 57 10	46 25	+ 1 17.9	4 56.7	55 57.9	30.7	15 16.5	8.4	165.030	−4.985
27	11 43 35	46 2	− 3 38.8	4 42.2	55 27.2	27.7	15 8.1	7.6	177.687	−4.978
28	12 29 37	46 18	− 8 21.0	4 17.5	54 59.5	22.9	15 0.5	6.2	190.101	−4.732
März 1	13 15 55	47 7	−12 38.5	3 43.5	54 36.6	16.2	14 54.3	4.4	202.290	−4.272
2	14 3 2	48 17	−16 22.0	3 1.3	54 20.4	7.9	14 49.9	2.2	214.292	−3.628
3	14 51 19	49 40	−19 23.3	2 11.5	54 12.5	1.5	14 47.7	0.4	226.160	−2.832
4	15 40 59	51 0	−21 34.8	1 15.1	54 14.0	11.8	14 48.1	3.2	237.967	−1.916
5	16 31 59	52 5	−22 49.9	0 13.3	54 25.8	22.1	14 51.3	6.1	249.796	−0.915
6	17 24 4	52 43	−23 3.2	0 51.6	54 47.9	31.9	14 57.4	8.6	261.738	+0.136
7	18 16 47	52 54	−22 11.6	1 57.3	55 19.8	40.5	15 6.0	11.1	273.885	+1.197
8	19 9 41	52 42	−20 14.3	3 0.4	56 0.3	46.9	15 17.1	12.7	286.326	+2.227
9	20 2 23	52 21	−17 13.9	3 57.5	56 47.2	50.1	15 29.8	13.7	299.135	+3.173
10	20 54 44	52 7	−13 16.4	4 44.9	57 37.3	49.4	15 43.5	13.5	312.365	+3.980
11	21 46 51	52 14	− 8 31.5	5 19.2	58 26.7	44.5	15 57.0	12.1	326.031	+4.588
12	22 39 5	52 55	− 3 12.3	5 36.5	59 11.2	35.2	16 9.1	9.6	340.110	+4.938
13	23 32 0	54 14	+ 2 24.2	5 33.7	59 46.4	22.8	16 18.7	6.2	354.529	+4.986
14	0 26 14	56 7	+ 7 57.9	5 8.8	60 9.2	8.8	16 24.9	2.4	9.177	+4.710
15	1 22 21	58 17	+13 6.7	4 21.2	60 18.0	4.9	16 27.3	1.4	23.923	+4.119
16	2 20 38	60 15	+17 27.9	3 13.8	60 13.1	16.7	16 25.9	4.5	38.635	+3.256
17	3 20 53	61 28	+20 41.7	1 51.5	59 56.4	25.6	16 21.4	7.0	53.205	+2.185
18	4 22 21	61 23	+22 33.2	0 22.9	59 30.8	31.2	16 14.4	8.5	67.558	+0.989
19	5 23 44	59 57	+22 56.1	1 3.1	58 59.6	33.9	16 5.9	9.2	81.656	−0.249
20	6 23 41	57 26	+21 53.0	2 19.0	58 25.7	34.6	15 56.7	9.4	95.493	−1.450
21	7 21 7	54 27	+19 34.0	3 20.3	57 51.1	33.8	15 47.3	9.3	109.080	−2.547
22	8 15 34	51 32	+16 13.7	4 5.5	57 17.3	32.3	15 38.0	8.8	122.437	−3.483
23	9 7 6		+12 8.2		56 45.0		15 29.2		135.585	−4.218

Tag	Obere Kulmination in Greenwich							0h Länge, + 50° Breite			
	AR.	Änderung für 1h westl. Länge	Dekl.	Änderung für 1h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1h westl. Länge	Aufgang	Änderung für 1h westl. Länge	Untergang	Änderung für 1h westl. Länge
1937	h m s	s	° '	'	'	h m	m	h m	m	h m	m
Febr. 10	20 48 46	136	−13 53.3	+11.3	57.5	11 28.3	2.10	6 32	1.1	16 34	3.1
11	21 42 38	134	− 8 59.5	+13.1	58.2	12 18.1	2.07	6 57	1.0	17 50	3.2
12	22 36 4	133	− 3 31.0	+14.2	58.7	13 7.4	2.06	7 20	0.9	19 8	3.3
13	23 29 39	135	+ 2 13.7	+14.4	59.1	13 56.9	2.08	7 42	0.9	20 27	3.3
14	0 24 11	138	+ 7 54.0	+13.8	59.3	14 47.4	2.14	8 4	1.0	21 46	3.3
15	1 20 27	143	+13 8.4	+12.3	59.4	15 39.6	2.23	8 28	1.1	23 7	3.3
16	2 19 0	149	+17 35.3	+ 9.8	59.4	16 34.0	2.32	8 56	1.3	— —	—
17	3 19 55	155	+20 54.4	+ 6.6	59.2	17 30.8	2.42	9 31	1.6	0 26	3.2
18	4 22 39	158	+22 49.3	+ 3.0	59.0	18 29.5	2.47	10 14	2.0	1 42	3.0
19	5 25 55	158	+23 11.1	− 1.1	58.7	19 28.6	2.45	11 7	2.4	2 50	2.6
20	6 28 9	153	+21 59.9	− 4.8	58.4	20 26.7	2.38	12 10	2.8	3 48	2.2
21	7 28 1	146	+19 25.7	− 7.9	58.0	21 22.5	2.27	13 21	3.0	4 35	1.8
22	8 24 48	138	+15 44.8	−10.3	57.5	22 15.2	2.13	14 35	3.1	5 12	1.4
23	9 18 26	130	+11 16.2	−11.9	57.0	23 4.8	2.00	15 50	3.1	5 42	1.1
24	10 9 23	125	+ 6 19.0	−12.7	56.5	23 51.7	1.91	17 3	3.0	6 6	0.9
25	— — —	—	— —	—	—	— —	—	18 14	2.9	6 27	0.8
26	10 58 21	121	+ 1 10.3	−12.9	56.0	0 36.6	1.85	19 23	2.9	6 46	0.8
27	11 46 9	119	− 3 55.0	−12.5	55.4	1 20.3	1.82	20 32	2.8	7 6	0.8
28	12 33 35	119	− 8 44.3	−11.6	55.0	2 3.7	1.82	21 39	2.8	7 25	0.9
März 1	13 21 21	120	−13 6.4	−10.2	54.6	2 47.4	1.84	22 45	2.7	7 47	1.0
2	14 10 3	123	−16 51.5	− 8.5	54.3	3 32.0	1.89	23 49	2.6	8 12	1.1
3	15 0 7	127	−19 50.7	− 6.4	54.2	4 18.0	1.95	— —	—	8 41	1.4
4	15 51 42	131	−21 55.7	− 4.0	54.3	5 5.5	2.01	0 51	2.5	9 17	1.6
5	16 44 43	134	−22 59.1	− 1.3	54.5	5 54.5	2.07	1 48	2.3	10 0	2.0
6	17 38 49	136	−22 55.4	+ 1.6	54.9	6 44.5	2.10	2 39	2.0	10 52	2.3
7	18 33 30	137	−21 41.6	+ 4.5	55.5	7 35.1	2.11	3 22	1.7	11 52	2.6
8	19 28 13	137	−19 17.9	+ 7.4	56.3	8 25.7	2.11	3 59	1.4	12 59	2.9
9	20 22 38	136	−15 48.5	+10.0	57.1	9 16.1	2.10	4 30	1.2	14 11	3.1
10	21 16 41	135	−11 21.6	+12.2	58.0	10 6.0	2.08	4 57	1.1	15 26	3.2
11	22 10 36	135	− 6 9.4	+13.7	58.8	10 55.9	2.09	5 21	1.0	16 43	3.3
12	23 4 55	137	− 0 28.3	+14.5	59.5	11 46.1	2.12	5 44	0.9	18 3	3.4
13	0 0 20	141	+ 5 21.5	+14.4	60.0	12 37.4	2.18	6 6	1.0	19 24	3.4
14	0 57 34	146	+10 56.2	+13.3	60.3	13 30.6	2.27	6 31	1.1	20 46	3.4
15	1 57 8	152	+15 50.9	+11.1	60.3	14 26.0	2.37	6 59	1.3	22 9	3.4
16	2 59 6	158	+19 41.1	+ 8.0	60.1	15 23.9	2.46	7 32	1.5	23 29	3.2
17	4 2 48	160	+22 7.3	+ 4.2	59.7	16 23.5	2.50	8 13	1.9	— —	—
18	5 6 55	159	+22 58.7	+ 0.1	59.1	17 23.5	2.49	9 4	2.3	0 41	2.8
19	6 9 49	154	+22 15.1	− 3.7	58.6	18 22.3	2.40	10 5	2.7	1 43	2.3
20	7 10 7	147	+20 6.5	− 6.9	58.0	19 18.5	2.28	11 13	2.9	2 33	1.9
21	8 7 7	138	+16 48.9	− 9.4	57.4	20 11.4	2.14	12 25	3.0	3 13	1.5
22	9 0 50	131	+12 40.6	−11.2	56.8	21 1.1	2.01	13 38	3.0	3 44	1.2
23	9 51 45	124	+ 7 59.2	−12.2	56.3	21 47.9	1.91	14 50	3.0	4 9	1.0

Tag	Scheinbare Rektaszension (h m s)	Diff. (m s)	Scheinbare Deklination (° ′)	Diff. (° ′)	Parallaxe (′ ″)	Diff. (″)	Halbmesser (′ ″)	Diff. (″)	Länge (°)	Breite (°)
0h Welt-Zeit										
1937 März 23	9 7 6	49 4	+12 8.2	4 35.0	56 45.0	30.4	15 29.2	8.2	135.585	−4.218
24	9 56 10	47 17	+ 7 33.2	4 50.2	56 14.6	28.5	15 21.0	7.8	148.539	−4.722
25	10 43 27	46 12	+ 2 43.0	4 52.5	55 46.1	26.1	15 13.2	7.1	161.306	−4.982
26	11 29 39	45 51	− 2 9.5	4 42.9	55 20.0	23.6	15 6.1	6.4	173.889	−4.993
27	12 15 30	46 7	− 6 52.4	4 22.8	54 56.4	20.3	14 59.7	5.6	186.290	−4.767
28	13 1 37	46 53	−11 15.2	3 52.6	54 36.1	16.1	14 54.1	4.3	198.514	−4.323
29	13 48 30	48 0	−15 7.8	3 13.2	54 20.0	10.6	14 49.8	2.9	210.575	−3.688
30	14 36 30	49 16	−18 21.0	2 25.8	54 9.4	4.1	14 46.9	1.2	222.501	−2.896
31	15 25 46	50 28	−20 46.8	1 31.5	54 5.3	$\overline{3.8}$	14 45.7	$\overline{1.1}$	234.332	−1.982
April 1	16 16 14	51 21	−22 18.3	0 31.9	54 9.1	12.5	14 46.8	3.4	246.121	−0.983
2	17 7 35	51 50	−22 50.2	$\overline{0\ 30.4}$	54 21.6	22.1	14 50.2	6.0	257.939	+0.063
3	17 59 25	51 52	−22 19.8	1 39.2	54 43.7	31.7	14 56.2	8.7	269.864	+1.116
4	18 51 17	51 37	−20 40.6	2 27.9	55 15.4	41.1	15 4.9	11.1	281.983	+2.138
5	19 42 54	51 15	−18 12.7	3 30.1	55 56.5	48.9	15 16.0	13.4	294.386	+3.084
6	20 34 9	51 4	−14 42.6	4 19.4	56 45.4	54.5	15 29.4	14.8	307.157	+3.905
7	21 25 13	51 18	−10 23.2	4 58.9	57 39.9	56.2	15 44.2	15.3	320.364	+4.548
8	22 16 31	52 9	− 5 24.3	5 25.2	58 36.1	53.4	15 59.5	14.6	334.045	+4.958
9	23 8 40	53 43	+ 0 0.9	5 34.6	59 29.5	45.3	16 14.1	12.3	348.201	+5.085
10	0 2 23	56 0	+ 5 35.5	5 22.6	60 14.8	32.0	16 26.4	8.7	2.777	+4.891
11	0 58 23	58 42	+10 58.1	4 46.3	60 46.8	15.1	16 35.1	4.1	17.669	+4.366
12	1 57 5	61 23	+15 44.4	3 45.4	61 1.9	$\overline{3.1}$	16 39.2	$\overline{0.8}$	32.733	+3.532
13	2 58 28	63 14	+19 29.8	2 24.1	60 58.8	20.1	16 38.4	5.5	47.807	+2.450
14	4 1 42	63 37	+21 53.9	0 51.3	60 38.7	33.7	16 32.9	9.2	62.738	+1.207
15	5 5 19	62 13	+22 45.2	$\overline{0\ 41.3}$	60 5.0	42.8	16 23.7	11.6	77.410	−0.098
16	6 7 32	59 26	+22 3.9	2 3.4	59 22.2	47.2	16 12.1	12.9	91.748	−1.370
17	7 6 58	55 56	+20 0.5	3 9.0	58 35.0	47.6	15 59.2	13.0	105.721	−2.529
18	8 2 54	52 28	+16 51.5	3 56.5	57 47.4	45.2	15 46.2	12.3	119.333	−3.513
19	8 55 22	49 31	+12 55.0	4 27.5	57 2.2	40.8	15 33.9	11.1	132.611	−4.282
20	9 44 53	47 20	+ 8 27.5	4 43.8	56 21.4	35.7	15 22.8	9.7	145.592	−4.812
21	10 32 13	46 0	+ 3 43.7	4 48.0	55 45.7	30.3	15 13.1	8.2	158.316	−5.092
22	11 18 13	45 28	− 1 4.3	4 41.1	55 15.4	24.9	15 4.9	6.8	170.822	−5.123
23	12 3 41	45 40	− 5 45.4	4 24.3	54 50.5	19.9	14 58.1	5.5	183.142	−4.914
24	12 49 21	46 26	−10 9.7	3 57.8	54 30.6	15.0	14 52.6	4.0	195.305	−4.484
25	13 35 47	47 35	−14 7.5	3 21.9	54 15.6	10.2	14 48.6	2.8	207.337	−3.858
26	14 23 22	48 56	−17 29.4	2 37.2	54 5.4	5.1	14 45.8	1.4	219.261	−3.066
27	15 12 18	50 11	−20 6.6	1 44.9	54 0.3	$\overline{0.4}$	14 44.4	$\overline{0.1}$	231.107	−2.145
28	16 2 29	51 6	−21 51.5	0 46.8	54 0.7	6.6	14 44.5	1.8	242.908	−1.132
29	16 53 35	51 31	−22 38.3	$\overline{0\ 14.4}$	54 7.3	13.7	14 46.3	3.7	254.707	−0.069
30	17 45 6	51 25	−22 23.9	1 16.0	54 21.0	21.5	14 50.0	5.9	266.556	+1.004
Mai 1	18 36 31	50 55	−21 7.9	2 15.0	54 42.5	29.9	14 55.9	8.1	278.516	+2.045
2	19 27 26	50 17	−18 52.9	3 9.4	55 12.4	38.2	15 4.0	10.4	290.657	+3.011
3	20 17 43		−15 43.5		55 50.6		15 14.4		303.054	+3.857

Tag	Obere Kulmination in Greenwich							0h Länge, + 50° Breite			
	AR.	Änderung für 1h westl. Länge	Dekl.	Änderung für 1h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1h westl. Länge	Aufgang	Änderung für 1h westl. Länge	Untergang	Änderung für 1h westl. Länge
1937	h m s	s	° ′	′	′	h m	m	h m	m	h m	m
März 23	9 51 45	124	+ 7 59.2	−12.2	56.3	21 47.9	1.91	14 50	3.0	4 9	1.0
24	10 40 37	120	+ 3 0.7	−12.6	55.8	22 32.7	1.84	16 1	2.9	4 32	0.9
25	11 28 16	118	− 2 0.7	−12.4	55.3	23 16.3	1.81	17 10	2.9	4 52	0.8
26	12 15 29	118	− 6 52.3	−11.8	54.9	23 59.5	1.80	18 18	2.8	5 11	0.8
27	— — —	—	— —	—	—	— —	—	19 25	2.8	5 30	0.8
28	13 3 0	120	−11 22.6	−10.7	54.6	0 42.9	1.83	20 31	2.7	5 51	0.9
29	13 51 22	122	−15 20.7	− 9.1	54.3	1 27.2	1.88	21 36	2.7	6 15	1.1
30	14 40 59	126	−18 36.6	− 7.2	54.1	2 12.8	1.93	22 39	2.5	6 43	1.3
31	15 32 1	129	−21 1.3	− 4.9	54.1	2 59.7	1.99	23 38	2.3	7 16	1.5
April 1	16 24 18	132	−22 27.4	− 2.3	54.2	3 47.9	2.03	— —	—	7 56	1.8
2	17 17 32	134	−22 49.3	+ 0.5	54.4	4 37.1	2.07	0 30	2.0	8 44	2.2
3	18 11 11	134	−22 4.2	+ 3.3	54.8	5 26.7	2.07	1 16	1.8	9 40	2.5
4	19 4 48	134	−20 12.1	+ 6.0	55.4	6 16.2	2.06	1 55	1.5	10 43	2.7
5	19 58 4	133	−17 16.2	+ 8.6	56.2	7 5.4	2.05	2 28	1.3	11 51	2.9
6	20 50 58	132	−13 22.2	+10.9	57.0	7 54.2	2.04	2 56	1.1	13 2	3.0
7	21 43 47	132	− 8 38.6	+12.7	58.0	8 43.0	2.04	3 20	1.0	14 17	3.2
8	22 37 6	134	− 3 17.4	+14.0	59.0	9 32.2	2.08	3 44	1.0	15 34	3.3
9	23 31 39	139	+ 2 25.6	+14.5	59.8	10 22.7	2.15	4 6	1.0	16 54	3.4
10	0 28 19	145	+ 8 9.7	+14.0	60.5	11 15.2	2.25	4 30	1.1	18 17	3.5
11	1 27 49	153	+13 29.5	+12.4	60.9	12 10.7	2.38	4 57	1.2	19 41	3.5
12	2 30 26	160	+17 56.9	+ 9.7	61.0	13 9.2	2.50	5 28	1.5	21 4	3.4
13	3 35 40	165	+21 5.7	+ 5.9	60.8	14 10.3	2.58	6 7	1.8	22 23	3.1
14	4 42 5	166	+22 37.4	+ 1.7	60.3	15 12.6	2.60	6 56	2.3	23 32	2.6
15	5 47 39	161	+22 26.9	− 2.5	59.6	16 14.1	2.52	7 56	2.6	— —	—
16	6 50 30	153	+20 42.9	− 6.1	58.8	17 12.8	2.38	9 3	2.9	0 28	2.1
17	7 49 33	143	+17 42.8	− 8.8	58.0	18 7.8	2.21	10 16	3.1	1 12	1.6
18	8 44 39	133	+13 47.5	−10.7	57.2	18 58.8	2.06	11 30	3.0	1 46	1.3
19	9 36 20	126	+ 9 16.2	−11.8	56.5	19 46.4	1.93	12 42	3.0	2 14	1.0
20	10 25 28	120	+ 4 25.3	−12.3	55.8	20 31.4	1.84	13 53	2.9	2 36	0.9
21	11 12 59	118	− 0 31.4	−12.3	55.3	21 14.9	1.80	15 1	2.8	2 57	0.8
22	11 59 50	117	− 5 22.1	−11.8	54.9	21 57.7	1.79	16 9	2.8	3 16	0.8
23	12 46 49	118	− 9 55.8	−10.9	54.5	22 40.6	1.80	17 15	2.8	3 36	0.8
24	13 34 37	121	−14 2.0	− 9.5	54.3	23 24.3	1.85	18 21	2.7	3 56	0.9
25	— — —	—	— —	—	—	— —	—	19 26	2.7	4 19	1.0
26	14 23 41	124	−17 30.5	− 7.8	54.1	0 9.4	1.91	20 30	2.6	4 46	1.2
27	15 14 13	128	−20 11.6	− 5.6	54.0	0 55.8	1.97	21 30	2.4	5 17	1.4
28	16 6 8	131	−21 56.8	− 3.1	54.0	1 43.7	2.02	22 24	2.1	5 55	1.8
29	16 59 2	133	−22 39.7	− 0.4	54.1	2 32.5	2.05	23 12	1.9	6 41	2.1
30	17 52 19	133	−22 16.9	+ 2.3	54.4	3 21.7	2.05	23 53	1.6	7 34	2.3
Mai 1	18 45 25	132	−20 48.6	+ 5.0	54.8	4 10.7	2.03	— —	—	8 33	2.6
2	19 37 56	130	−18 17.8	+ 7.5	55.3	4 59.2	2.01	0 27	1.3	9 38	2.8
3	20 29 44	129	−14 50.5	+ 9.7	56.0	5 46.9	1.98	0 56	1.1	10 46	2.9

Tag		Scheinbare Rektaszension	Diff.	Scheinbare Deklination	Diff.	Parallaxe	Diff.	Halbmesser	Diff.	Länge	Breite
1937		h m s	m s	° ′	° ′	′ ″	″	′ ″	″	°	°
Mai	3	20 17 43	49 46	−15 43.5	3 57.2	55 50.6	46.2	15 14.4	12.6	303.054	+3.857
	4	21 7 29	49 42	−11 46.3	4 36.9	56 36.8	52.7	15 27.0	14.4	315.784	+4.539
	5	21 57 11	50 17	− 7 9.4	5 6.3	57 29.5	56.4	15 41.4	15.3	328.913	+5.007
	6	22 47 28	51 41	− 2 3.1	5 22.9	58 25.9	56.2	15 56.7	15.4	342.493	+5.217
	7	23 39 9	53 58	+ 3 19.8	5 22.3	59 22.1	51.0	16 12.1	13.8	356.542	+5.127
	8	0 33 7	57 0	+ 8 42.1	5 0.6	60 13.1	40.0	16 25.9	11.0	11.038	+4.713
	9	1 30 7	60 25	+13 42.7	4 13.8	60 53.1	24.1	16 36.9	6.5	25.906	+3.976
	10	2 30 32	63 27	+17 56.5	3 2.2	61 17.2	4.7	16 43.4	1.3	41.025	+2.951
	11	3 33 59	65 11	+20 58.7	1 31.3	61 21.9	15.1	16 44.7	4.1	56.241	+1.709
	12	4 39 10	64 54	+22 30.0	0 7.1	61 6.8	32.7	16 40.6	8.9	71.388	+0.350
	13	5 44 4	62 36	+22 22.9	1 39.6	60 34.1	45.7	16 31.7	12.5	86.316	−1.015
	14	6 46 40	58 58	+20 43.3	2 55.6	59 48.4	53.4	16 19.2	14.5	100.910	−2.285
	15	7 45 38	54 59	+17 47.7	3 50.7	58 55.0	55.6	16 4.7	15.2	115.103	−3.378
	16	8 40 37	51 21	+13 57.0	4 25.9	57 59.4	53.5	15 49.5	14.6	128.870	−4.242
	17	9 31 58	48 30	+ 9 31.1	4 44.2	57 5.9	48.5	15 34.9	13.2	142.221	−4.847
	18	10 20 28	46 36	+ 4 46.9	4 49.1	56 17.4	41.6	15 21.7	11.3	155.194	−5.185
	19	11 7 4	45 37	− 0 2.2	4 43.0	55 35.8	34.0	15 10.4	9.3	167.841	−5.260
	20	11 52 41	45 28	− 4 45.2	4 27.3	55 1.8	26.1	15 1.1	7.1	180.217	−5.088
	21	12 38 9	46 1	− 9 12.5	4 2.7	54 35.7	18.8	14 54.0	5.1	192.381	−4.688
	22	13 24 10	47 7	−13 15.2	3 29.4	54 16.9	11.9	14 48.9	3.2	204.387	−4.086
	23	14 11 17	48 29	−16 44.6	2 47.5	54 5.0	5.8	14 45.7	1.6	216.283	−3.312
	24	14 59 46	49 54	−19 32.1	1 57.4	53 59.2	0.1	14 44.1	0.0	228.113	−2.399
	25	15 49 40	51 0	−21 29.5	1 0.9	53 59.1	5.2	14 44.1	1.4	239.917	−1.385
	26	16 40 40	51 36	−22 30.4	0 0.0	54 4.3	10.4	14 45.5	2.8	251.733	−0.309
	27	17 32 16	51 34	−22 30.4	1 1.8	54 14.7	15.8	14 48.3	4.3	263.596	+0.786
	28	18 23 50	51 0	−21 28.6	2 1.3	54 30.5	21.6	14 52.6	5.9	275.547	+1.855
	29	19 14 50	50 8	−19 27.3	2 55.7	54 52.1	27.7	14 58.5	7.5	287.628	+2.853
	30	20 4 58	49 16	−16 31.6	3 43.0	55 19.8	34.1	15 6.0	9.3	299.888	+3.736
	31	20 54 14	48 44	−12 48.6	4 21.8	55 53.9	40.5	15 15.3	11.1	312.377	+4.459
Juni	1	21 42 58	48 46	− 8 26.8	4 51.1	56 34.4	46.1	15 26.4	12.5	325.149	+4.980
	2	22 31 44	49 37	− 3 35.7	5 9.2	57 20.5	50.1	15 38.9	13.7	338.255	+5.259
	3	23 21 21	51 23	+ 1 33.5	5 13.8	58 10.6	51.4	15 52.6	14.0	351.738	+5.262
	4	0 12 44	54 4	+ 6 47.3	5 1.5	59 2.0	48.7	16 6.6	13.3	5.622	+4.963
	5	1 6 48	57 29	+11 48.8	4 28.5	59 50.7	41.3	16 19.9	11.2	19.905	+4.354
	6	2 4 17	61 9	+16 17.3	3 31.6	60 32.0	28.8	16 31.1	7.8	34.549	+3.451
	7	3 5 26	64 10	+19 48.9	2 12.0	61 0.8	12.1	16 38.9	3.3	49.473	+2.298
	8	4 9 36	65 35	+22 0.9	0 36.6	61 12.9	6.9	16 42.2	1.8	64.560	+0.973
	9	5 15 11	64 48	+22 37.5	1 2.0	61 6.0	25.3	16 40.4	6.9	79.668	−0.421
	10	6 19 59	62 2	+21 35.5	2 29.9	60 40.7	40.8	16 33.5	11.1	94.645	−1.774
	11	7 22 1	58 12	+19 5.6	3 37.8	59 59.9	51.3	16 22.4	14.0	109.358	−2.985
	12	8 20 13	54 13	+15 27.8	4 23.1	59 8.6	56.3	16 8.4	15.4	123.704	−3.975
	13	9 14 26		+11 4.7		58 12.3		15 53.0		137.622	−4.698

(All values for 0h Welt-Zeit.)

Tag	Obere Kulmination in Greenwich							0h Länge, + 50° Breite			
	AR.	Änderung für 1h westl. Länge	Dekl.	Änderung für 1h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1h westl. Länge	Aufgang	Änderung für 1h westl. Länge	Untergang	Änderung für 1h westl. Länge
1937	h m s	s	° ′	′	′	h m	m	h m	m	h m	m
Mai 3	20 29 44	129	−14 50.5	+ 9.7	56.0	5 46.9	1.98	0 56	1.1	10 46	2.9
4	21 21 4	128	−10 34.1	+11.6	56.8	6 34.2	1.97	1 21	1.0	11 57	3.0
5	22 12 30	129	− 5 38.1	+13.0	57.8	7 21.5	1.99	1 44	0.9	13 11	3.1
6	23 4 51	133	− 0 14.3	+13.9	58.8	8 9.8	2.05	2 6	0.9	14 27	3.2
7	23 59 5	139	+ 5 21.8	+14.0	59.7	8 59.9	2.15	2 29	1.0	15 46	3.4
8	0 56 12	147	+10 49.9	+13.2	60.5	9 52.9	2.29	2 54	1.1	17 8	3.5
9	1 56 57	157	+15 44.5	+11.2	61.1	10 49.6	2.45	3 22	1.3	18 32	3.5
10	3 1 30	166	+19 36.7	+ 8.0	61.4	11 50.1	2.59	3 58	1.7	19 55	3.3
11	4 8 53	171	+21 59.9	+ 3.8	61.3	12 53.3	2.67	4 42	2.1	21 11	2.9
12	5 17 5	169	+22 37.7	− 0.7	60.8	13 57.4	2.65	5 38	2.6	22 15	2.4
13	6 23 33	162	+21 30.6	− 4.8	60.1	14 59.8	2.54	6 45	2.9	23 6	1.9
14	7 26 22	152	+18 53.6	− 8.1	59.2	15 58.5	2.36	7 59	3.1	23 45	1.5
15	8 24 43	140	+15 10.0	−10.4	58.3	16 52.7	2.17	9 16	3.2	— —	—
16	9 18 50	131	+10 43.2	−11.7	57.3	17 42.8	2.02	10 31	3.1	0 16	1.2
17	10 9 32	123	+ 5 53.0	−12.3	56.5	18 29.4	1.89	11 43	3.0	0 41	1.0
18	10 57 55	119	+ 0 55.1	−12.4	55.7	19 13.7	1.82	12 53	2.9	1 2	0.9
19	11 45 0	117	− 3 58.2	−12.0	55.1	19 56.7	1.79	14 0	2.8	1 23	0.8
20	12 31 48	117	− 8 36.5	−11.1	54.6	20 39.5	1.79	15 7	2.8	1 42	0.8
21	13 19 6	119	−12 50.1	− 9.9	54.3	21 22.7	1.83	16 13	2.7	2 2	0.9
22	14 7 32	123	−16 29.6	− 8.3	54.1	22 7.1	1.88	17 18	2.7	2 24	1.0
23	14 57 29	127	−19 25.3	− 6.3	54.0	22 53.0	1.95	18 22	2.6	2 49	1.1
24	15 48 58	130	−21 28.3	− 3.9	54.0	23 40.4	2.01	19 23	2.4	3 19	1.4
25	— — —	—	— —	—	—	— —	—	20 19	2.2	3 54	1.6
26	16 41 42	133	−22 31.0	− 1.3	54.1	0 29.0	2.05	21 10	2.0	4 38	2.0
27	17 35 5	134	−22 28.6	+ 1.5	54.3	1 18.3	2.06	21 53	1.6	5 29	2.3
28	18 28 23	133	−21 20.2	+ 4.2	54.5	2 7.6	2.05	22 29	1.4	6 26	2.5
29	19 21 1	130	−19 8.6	+ 6.7	54.9	2 56.1	2.00	22 59	1.2	7 29	2.7
30	20 12 41	128	−15 59.9	+ 8.9	55.4	3 43.7	1.97	23 25	1.0	8 36	2.8
31	21 3 25	126	−12 2.2	+10.8	56.0	4 30.4	1.94	23 48	0.9	9 45	2.9
Juni 1	21 53 39	126	− 7 24.9	+12.2	56.7	5 16.6	1.93	— —	—	10 56	3.0
2	22 44 8	127	− 2 19.0	+13.2	57.5	6 3.0	1.95	0 10	0.9	12 9	3.1
3	23 35 47	131	+ 3 3.1	+13.6	58.4	6 50.5	2.03	0 31	0.9	13 24	3.2
4	0 29 41	138	+ 8 25.9	+13.2	59.3	7 40.3	2.14	0 54	1.0	14 42	3.3
5	1 26 52	148	+13 29.5	+11.9	60.1	8 33.5	2.30	1 20	1.2	16 3	3.4
6	2 28 5	158	+17 49.2	+ 9.5	60.8	9 30.6	2.47	1 51	1.5	17 25	3.4
7	3 33 17	167	+20 57.8	+ 6.0	61.1	10 31.7	2.62	2 30	1.8	18 44	3.1
8	4 41 14	172	+22 31.0	+ 1.7	61.2	11 35.5	2.68	3 19	2.3	19 55	2.7
9	5 49 36	169	+22 16.7	− 2.8	60.9	12 39.7	2.65	4 21	2.8	20 53	2.2
10	6 55 49	161	+20 19.6	− 6.8	60.3	13 41.8	2.52	5 34	3.1	21 39	1.7
11	7 58 4	150	+16 59.1	− 9.7	59.5	14 40.0	2.33	6 52	3.3	22 14	1.3
12	8 55 48	139	+12 41.0	−11.6	58.5	15 33.6	2.15	8 10	3.2	22 43	1.1
13	9 49 26	130	+ 7 49.7	−12.5	57.6	16 23.2	2.00	9 26	3.1	23 6	0.9

Mond 1937

Tag	Scheinbare Rektaszension (0ʰ Welt-Zeit)	Diff.	Scheinbare Deklination	Diff.	Parallaxe	Diff.	Halbmesser	Diff.	Länge	Breite
1937	h m s	m s	° ′	° ′	′ ″	″	′ ″	″	°	°
Juni 13	9 14 26	50 47	+11 4.7	4 47.8	58 12.3	56.3	15 53.0	15.3	137.622	−4.698
14	10 5 13	48 14	+ 6 16.9	4 55.6	57 16.0	52.3	15 37.7	14.3	151.097	−5.136
15	10 53 27	46 37	+ 1 21.3	4 50.6	56 23.7	45.4	15 23.4	12.3	164.146	−5.291
16	11 40 4	45 57	− 3 29.3	4 35.2	55 38.3	37.0	15 11.1	10.1	176.815	−5.182
17	12 26 1	46 4	− 8 4.5	4 11.2	55 1.3	27.8	15 1.0	7.6	189.168	−4.833
18	13 12 5	46 52	−12 15.7	3 39.0	54 33.5	18.6	14 53.4	5.0	201.276	−4.275
19	13 58 57	48 5	−15 54.7	2 58.8	54 14.9	10.0	14 48.4	2.8	213.212	−3.538
20	14 47 2	49 30	−18 53.5	2 11.0	54 4.9	2.3	14 45.6	0.6	225.046	−2.656
21	15 36 32	50 47	−21 4.5	1 16.2	54 2.6	4.5	14 45.0	1.2	236.842	−1.664
22	16 27 19	51 39	−22 20.7	0 16.2	54 7.1	10.4	14 46.2	2.9	248.656	−0.599
23	17 18 58	51 54	−22 36.9	0 46.2	54 17.5	15.3	14 49.1	4.1	260.537	+0.496
24	18 10 52	51 33	−21 50.7	1 47.3	54 32.8	19.6	14 53.2	5.4	272.524	+1.577
25	19 2 25	50 43	−20 3.4	2 43.9	54 52.4	23.4	14 58.6	6.3	284.652	+2.599
26	19 53 8	49 43	−17 19.5	3 33.3	55 15.8	27.1	15 4.9	7.4	296.949	+3.514
27	20 42 51	48 51	−13 46.2	4 13.3	55 42.9	30.7	15 12.3	8.4	309.440	+4.276
28	21 31 42	48 25	− 9 32.9	4 43.2	56 13.6	34.1	15 20.7	9.3	322.147	+4.841
29	22 20 7	48 41	− 4 49.7	5 1.6	56 47.7	37.4	15 30.0	10.2	335.095	+5.172
30	23 8 48	49 46	+ 0 11.9	5 7.4	57 25.1	39.7	15 40.2	10.8	348.304	+5.240
Juli 1	23 58 34	51 45	+ 5 19.3	4 58.6	58 4.8	40.5	15 51.0	11.0	1.795	+5.023
2	0 50 19	54 35	+10 17.9	4 32.8	58 45.3	38.9	16 2.0	10.6	15.579	+4.517
3	1 44 54	57 57	+14 50.7	3 46.9	59 24.2	34.2	16 12.6	9.3	29.661	+3.731
4	2 42 51	61 17	+18 37.6	2 40.3	59 58.4	25.5	16 21.9	7.0	44.021	+2.699
5	3 44 8	63 43	+21 17.9	1 15.4	60 23.9	13.2	16 28.9	3.6	58.620	+1.477
6	4 47 51	64 27	+22 33.3	0 19.4	60 37.1	1.7	16 32.5	0.5	73.384	+0.143
7	5 52 18	63 10	+22 13.9	1 52.3	60 35.4	17.5	16 32.0	4.7	88.216	−1.203
8	6 55 28	60 19	+20 21.6	3 11.3	60 17.9	32.1	16 27.3	8.8	102.996	−2.463
9	7 55 47	56 45	+17 10.3	4 9.4	59 45.8	43.5	16 18.5	11.8	117.601	−3.543
10	8 52 32	53 13	+13 0.9	4 45.2	59 2.3	50.5	16 6.7	13.8	131.918	−4.377
11	9 45 45	50 20	+ 8 15.7	5 0.9	58 11.8	52.9	15 52.9	14.4	145.865	−4.926
12	10 36 5	48 15	+ 3 14.8	5 0.2	57 18.9	50.8	15 38.5	13.8	159.395	−5.180
13	11 24 20	47 3	− 1 45.4	4 47.0	56 28.1	45.3	15 24.7	12.4	172.503	−5.152
14	12 11 23	46 42	− 6 32.4	4 23.6	55 42.8	37.4	15 12.3	10.2	185.217	−4.868
15	12 58 5	47 3	−10 56.0	3 52.0	55 5.4	28.2	15 2.1	7.7	197.591	−4.362
16	13 45 8	47 57	−14 48.0	3 12.8	54 37.2	18.2	14 54.4	4.9	209.699	−3.670
17	14 33 5	49 8	−18 0.8	2 26.4	54 19.0	8.4	14 49.5	2.3	221.622	−2.829
18	15 22 13	50 24	−20 27.2	1 33.4	54 10.6	0.9	14 47.2	0.2	233.444	−1.874
19	16 12 37	51 25	−22 0.6	0 34.9	54 11.5	9.1	14 47.4	2.5	245.246	−0.841
20	17 4 2	51 59	−22 35.5	0 26.9	54 20.6	16.0	14 49.9	4.4	257.102	+0.231
21	17 56 1	51 57	−22 8.6	1 29.2	54 36.6	21.5	14 54.3	5.8	269.076	+1.301
22	18 47 58	51 25	−20 39.4	2 28.5	54 58.1	25.4	15 0.1	7.0	281.219	+2.324
23	19 39 23	50 34	−18 10.9	3 21.5	55 23.5	28.1	15 7.1	7.6	293.568	+3.254
24	20 29 57		−14 49.4		55 51.6		15 14.7		306.144	+4.042

Tag	Obere Kulmination in Greenwich							0h Länge, + 50° Breite			
	AR.	Änderung für 1h westl. Länge	Dekl.	Änderung für 1h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1h westl. Länge	Aufgang	Änderung für 1h westl. Länge	Untergang	Änderung für 1h westl. Länge
1937	h m s	s	° ′	′	′	h m	m	h m	m	h m	m
Juni 13	9 49 26	130	+ 7 49.7	−12.5	57.6	16 23.2	2.00	9 26	3.1	23 6	0.9
14	10 39 54	123	+ 2 45.5	−12.7	56.6	17 9.6	1.89	10 39	3.0	23 27	0.9
15	11 28 19	119	− 2 16.5	−12.4	55.8	17 54.0	1.83	11 49	2.9	23 47	0.8
16	12 15 44	118	− 7 4.6	−11.6	55.1	18 37.3	1.80	12 57	2.8	— —	—
17	13 3 6	119	−11 29.2	−10.4	54.6	19 20.6	1.82	14 3	2.8	0 7	0.9
18	13 51 13	122	−15 21.4	− 8.9	54.3	20 4.6	1.86	15 9	2.7	0 28	1.1
19	14 40 36	125	−18 32.5	− 7.0	54.1	20 50.0	1.93	16 13	2.6	0 53	1.1
20	15 31 33	129	−20 53.9	− 4.7	54.0	21 36.9	1.99	17 15	2.5	1 21	1.3
21	16 23 56	132	−22 17.5	− 2.2	54.1	22 25.2	2.04	18 14	2.3	1 54	1.5
22	17 17 19	134	−22 37.3	+ 0.6	54.3	23 14.5	2.07	19 6	2.0	2 35	1.9
23	— — —	—	— —	—	—	— —	—	19 52	1.8	3 23	2.2
24	18 11 1	134	−21 50.5	+ 3.3	54.5	0 4.1	2.07	20 31	1.5	4 19	2.5
25	19 4 19	132	−19 58.3	+ 6.0	54.9	0 53.3	2.04	21 3	1.2	5 21	2.7
26	19 56 40	130	−17 6.0	+ 8.3	55.3	1 41.6	1.99	21 30	1.1	6 28	2.8
27	20 47 55	127	−13 21.8	+10.3	55.8	2 28.8	1.95	21 54	1.0	7 36	2.9
28	21 38 16	125	− 8 56.0	+11.8	56.3	3 15.0	1.92	22 16	0.9	8 46	3.0
29	22 28 14	125	− 4 0.2	+12.8	56.9	4 0.9	1.92	22 37	0.9	9 58	3.0
30	23 18 37	127	+ 1 13.2	+13.2	57.5	4 47.3	1.96	22 58	0.9	11 11	3.1
Juli 1	0 10 24	132	+ 6 30.1	+13.1	58.2	5 35.0	2.04	23 22	1.1	12 26	3.2
2	1 4 37	139	+11 34.2	+12.1	58.9	6 25.1	2.16	23 50	1.3	13 43	3.3
3	2 2 11	149	+16 5.6	+10.3	59.6	7 18.6	2.31	— —	—	15 2	3.3
4	3 3 36	158	+19 41.4	+ 7.5	60.1	8 15.9	2.47	0 24	1.6	16 20	3.2
5	4 8 34	166	+21 57.9	+ 3.7	60.5	9 16.8	2.59	1 7	2.0	17 34	2.9
6	5 15 37	168	+22 36.8	− 0.6	60.6	10 19.7	2.64	2 1	2.5	18 37	2.4
7	6 22 30	165	+21 31.6	− 4.8	60.5	11 22.5	2.58	3 8	3.0	19 29	1.9
8	7 27 0	157	+18 51.6	− 8.4	60.0	12 22.9	2.45	4 23	3.2	20 10	1.5
9	8 27 45	147	+14 57.5	−10.9	59.4	13 19.5	2.28	5 42	3.3	20 42	1.2
10	9 24 25	137	+10 15.0	−12.4	58.5	14 12.1	2.12	7 1	3.3	21 8	1.0
11	10 17 32	129	+ 5 8.1	−13.0	57.6	15 1.1	1.99	8 18	3.1	21 31	0.9
12	11 8 0	124	− 0 3.7	−12.9	56.8	15 47.5	1.90	9 30	3.0	21 52	0.9
13	11 56 50	121	− 5 5.2	−12.2	55.9	16 32.3	1.85	10 41	2.9	22 12	0.9
14	12 45 0	120	− 9 45.0	−11.1	55.2	17 16.4	1.84	11 50	2.8	22 33	0.9
15	13 33 20	122	−13 53.5	− 9.6	54.7	18 0.7	1.86	12 56	2.8	22 56	1.0
16	14 22 31	124	−17 22.5	− 7.8	54.4	18 45.8	1.91	14 2	2.7	23 23	1.2
17	15 12 59	128	−20 3.8	− 5.6	54.2	19 32.2	1.97	15 5	2.6	23 54	1.4
18	16 4 51	131	−21 50.0	− 3.2	54.2	20 20.0	2.02	16 5	2.4	— —	—
19	16 57 53	134	−22 34.5	− 0.5	54.3	21 8.9	2.06	17 0	2.1	0 32	1.8
20	17 51 37	135	−22 13.3	+ 2.3	54.6	21 58.6	2.08	17 48	1.9	1 18	2.1
21	18 45 23	134	−20 45.3	+ 5.0	54.9	22 48.3	2.06	18 30	1.6	2 11	2.4
22	19 38 35	132	−18 13.7	+ 7.6	55.4	23 37.4	2.03	19 6	1.3	3 11	2.6
23	— — —	—	— —	—	—	— —	—	19 34	1.1	4 17	2.8
24	20 30 51	129	−14 45.4	+ 9.7	55.9	0 25.6	1.99	20 0	1.0	5 26	2.9

Tag		Scheinbare Rektaszension		Scheinbare Deklination		Parallaxe		Halbmesser		Länge	Breite
		0h Welt-Zeit									
1937		h m s	m s	° ′	° ′	′ ″	″	′ ″	″	°	°
Juli	24	20 29 57	49 43	−14 49.4	4 5.6	55 51.6	29.4	15 14.7	8.0	306.144	+4.042
	25	21 19 40	49 7	−10 43.8	4 38.8	56 21.0	29.8	15 22.7	8.1	318.955	+4.641
	26	22 8 47	49 1	− 6 5.0	4 59.8	56 50.8	29.7	15 30.8	8.1	331.998	+5.011
	27	22 57 48	49 38	− 1 5.2	5 7.3	57 20.5	29.2	15 38.9	8.0	345.260	+5.120
	28	23 47 26	51 1	+ 4 2.1	5 0.0	57 49.7	28.2	15 46.9	7.7	358.726	+4.950
	29	0 38 27	53 8	+ 9 2.1	4 36.6	58 17.9	26.7	15 54.6	7.2	12.381	+4.500
	30	1 31 35	55 52	+13 38.7	3 55.7	58 44.6	24.2	16 1.8	6.6	26.213	+3.783
	31	2 27 27	58 46	+17 34.4	2 56.5	59 8.8	20.3	16 8.4	5.6	40.212	+2.833
Aug.	1	3 26 13	61 12	+20 30.9	1 41.0	59 29.1	14.4	16 14.0	3.9	54.367	+1.700
	2	4 27 25	62 29	+22 11.9	0 14.0	59 43.5	6.5	16 17.9	1.7	68.656	+0.451
	3	5 29 54	62 11	+22 25.9	1 15.5	59 50.0	3.5	16 19.6	0.9	83.045	−0.833
	4	6 32 5	60 23	+21 10.4	2 37.6	59 46.5	14.4	16 18.7	3.9	97.481	−2.065
	5	7 32 28	57 37	+18 32.8	3 44.1	59 32.1	25.3	16 14.8	6.9	111.888	−3.161
	6	8 30 5	54 34	+14 48.7	4 30.5	59 6.8	34.8	16 7.9	9.5	126.178	−4.046
	7	9 24 39	51 48	+10 18.2	4 56.5	58 32.0	41.5	15 58.4	11.3	140.257	−4.670
	8	10 16 27	49 39	+ 5 21.7	5 4.2	57 50.5	44.9	15 47.1	12.2	154.046	−5.005
	9	11 6 6	48 13	+ 0 17.5	4 56.6	57 5.6	44.6	15 34.9	12.2	167.486	−5.053
	10	11 54 19	47 34	− 4 39.1	4 36.6	56 21.0	41.1	15 22.7	11.2	180.553	−4.831
	11	12 41 53	47 34	− 9 15.7	4 6.6	55 39.9	34.7	15 11.5	9.4	193.255	−4.374
	12	13 29 27	48 7	−13 22.3	3 28.5	55 5.2	26.4	15 2.1	7.2	205.629	−3.721
	13	14 17 34	49 0	−16 50.8	2 43.1	54 38.8	16.7	14 54.9	4.6	217.738	−2.911
	14	15 6 34	50 2	−19 33.9	1 51.6	54 22.1	6.5	14 50.3	1.8	229.661	−1.985
	15	15 56 36	51 0	−21 25.5	0 54.9	54 15.6	3.6	14 48.5	1.0	241.484	−0.982
	16	16 47 36	51 37	−22 20.4	0 5.4	54 19.2	13.3	14 49.5	3.7	253.298	+0.063
	17	17 39 13	51 50	−22 15.0	1 7.1	54 32.5	21.7	14 53.2	5.9	265.191	+1.110
	18	18 31 3	51 36	−21 7.9	2 7.4	54 54.2	28.4	14 59.1	7.7	277.242	+2.120
	19	19 22 39	51 5	−19 0.5	3 3.3	55 22.6	33.1	15 6.8	9.0	289.518	+3.048
	20	20 13 44	50 27	−15 57.2	3 52.1	55 55.7	35.5	15 15.8	9.7	302.069	+3.848
	21	21 4 11	50 1	−12 5.1	4 31.0	56 31.2	35.6	15 25.5	9.7	314.920	+4.472
	22	21 54 12	49 56	− 7 34.1	4 57.7	57 6.8	33.4	15 35.2	9.1	328.073	+4.875
	23	22 44 8	50 25	− 2 36.4	5 10.2	57 40.2	29.4	15 44.3	8.0	341.506	+5.019
	24	23 34 33	51 33	+ 2 33.8	5 6.6	58 9.6	24.4	15 52.3	6.6	355.177	+4.881
	25	0 26 6	53 20	+ 7 40.4	4 45.9	58 34.0	18.8	15 58.9	5.2	9.030	+4.456
	26	1 19 26	55 36	+12 26.3	4 6.9	58 52.8	13.2	16 4.1	3.6	23.010	+3.761
	27	2 15 2	57 58	+16 33.2	3 10.4	59 6.0	8.0	16 7.7	2.1	37.068	+2.835
	28	3 13 0	60 0	+19 43.6	1 58.5	59 14.0	3.0	16 9.8	0.9	51.166	+1.732
	29	4 13 0	61 6	+21 42.1	0 36.1	59 17.0	1.8	16 10.7	0.5	65.279	+0.521
	30	5 14 6	60 54	+22 18.2	0 49.2	59 15.2	6.8	16 10.2	1.9	79.393	−0.721
	31	6 15 0	59 26	+21 29.0	2 9.4	59 8.4	12.2	16 8.3	3.3	93.490	−1.918
Sept.	1	7 14 26	57 7	+19 19.6	3 17.4	58 56.2	18.1	16 5.0	4.9	107.550	−2.993
	2	8 11 33	54 29	+16 2.2	4 8.8	58 38.1	23.9	16 0.1	6.5	121.539	−3.880
	3	9 6 2		+11 53.4		58 14.2		15 53.6		135.410	−4.529

Tag	Obere Kulmination in Greenwich: AR.	Änderung für 1h westl. Länge	Dekl.	Änderung für 1h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1h westl. Länge	0h Länge, + 50° Breite: Aufgang	Änderung für 1h westl. Länge	Untergang	Änderung für 1h westl. Länge
1937	h m s	s	° ′	′	′	h m	m	h m	m	h m	m
Juli 24	20 30 51	129	−14 45.4	+ 9.7	55.9	0 25.6	1.99	20 0	1.0	5 26	2.9
25	21 22 10	127	−10 30.4	+11.4	56.4	1 12.8	1.96	20 22	0.9	6 36	3.0
26	22 12 50	126	− 5 40.7	+12.6	56.9	1 59.4	1.94	20 44	0.9	7 48	3.0
27	23 3 29	127	− 0 29.9	+13.2	57.4	2 46.0	1.95	21 5	0.9	9 1	3.1
28	23 54 53	130	+ 4 47.3	+13.1	57.9	3 33.3	2.01	21 28	1.0	10 15	3.1
29	0 47 57	135	+ 9 54.7	+12.4	58.4	4 22.3	2.09	21 54	1.2	11 31	3.2
30	1 43 31	143	+14 34.2	+10.8	58.8	5 13.8	2.21	22 25	1.4	12 48	3.2
31	2 42 13	151	+18 25.9	+ 8.4	59.2	6 8.4	2.35	23 3	1.8	14 5	3.1
Aug. 1	3 44 7	158	+21 9.3	+ 5.1	59.6	7 6.2	2.47	23 51	2.3	15 18	2.9
2	4 48 27	163	+22 26.7	+ 1.2	59.8	8 6.4	2.54	— —	—	16 24	2.5
3	5 53 40	163	+22 7.6	− 2.8	59.8	9 7.5	2.54	0 51	2.7	17 19	2.1
4	6 57 51	158	+20 13.1	− 6.6	59.7	10 7.6	2.46	2 0	3.0	18 4	1.7
5	7 59 28	150	+16 56.4	− 9.6	59.4	11 5.1	2.33	3 17	3.3	18 39	1.3
6	8 57 43	141	+12 38.1	−11.7	58.8	11 59.3	2.19	4 36	3.3	19 8	1.1
7	9 52 40	134	+ 7 41.6	−12.8	58.2	12 50.2	2.06	5 53	3.2	19 33	1.0
8	10 44 53	128	+ 2 28.7	−13.1	57.4	13 38.3	1.97	7 8	3.1	19 55	0.9
9	11 35 10	124	− 2 42.4	−12.7	56.6	14 24.5	1.90	8 21	3.0	20 16	0.9
10	12 24 24	123	− 7 36.8	−11.8	55.9	15 9.7	1.88	9 32	2.9	20 37	0.9
11	13 13 23	123	−12 3.1	−10.4	55.3	15 54.6	1.88	10 40	2.8	21 0	1.0
12	14 2 47	124	−15 51.6	− 8.6	54.8	16 39.9	1.91	11 47	2.8	21 25	1.1
13	14 53 4	127	−18 54.2	− 6.5	54.4	17 26.2	1.95	12 52	2.6	21 55	1.4
14	15 44 28	130	−21 3.7	− 4.2	54.3	18 13.5	2.00	13 53	2.5	22 30	1.6
15	16 36 58	132	−22 13.9	− 1.6	54.3	19 1.9	2.04	14 50	2.3	23 12	1.9
16	17 30 16	134	−22 20.3	+ 1.1	54.5	19 51.1	2.07	15 41	2.0	— —	—
17	18 23 53	134	−21 20.8	+ 3.8	54.8	20 40.7	2.07	16 26	1.7	0 2	2.2
18	19 17 18	133	−19 16.5	+ 6.5	55.3	21 30.0	2.05	17 3	1.4	0 59	2.5
19	20 10 10	131	−16 11.8	+ 8.9	55.9	22 18.8	2.02	17 35	1.2	2 2	2.7
20	21 2 20	130	−12 14.4	+10.8	56.5	23 6.9	2.00	18 2	1.1	3 10	2.9
21	21 54 0	129	− 7 35.2	+12.3	57.1	23 54.5	1.98	18 27	1.0	4 21	3.0
22	— — —	—	— —	—	—	— —	—	18 49	0.9	5 34	3.0
23	22 45 35	129	− 2 27.4	+13.2	57.7	0 42.0	1.99	19 11	0.9	6 47	3.1
24	23 37 44	132	+ 2 53.2	+13.4	58.2	1 30.1	2.03	19 34	1.0	8 3	3.2
25	0 31 11	136	+ 8 9.3	+12.8	58.6	2 19.4	2.10	20 0	1.1	9 19	3.2
26	1 26 40	142	+13 1.7	+11.4	58.9	3 10.8	2.20	20 29	1.4	10 37	3.2
27	2 24 43	149	+17 10.1	+ 9.2	59.1	4 4.8	2.31	21 6	1.7	11 54	3.1
28	3 25 25	155	+20 14.8	+ 6.1	59.2	5 1.4	2.41	21 49	2.0	13 8	2.9
29	4 28 14	159	+21 59.1	+ 2.5	59.3	6 0.1	2.48	22 44	2.5	14 15	2.6
30	5 31 56	159	+22 12.6	− 1.4	59.2	6 59.7	2.48	23 49	2.9	15 13	2.2
31	6 34 58	156	+20 54.4	− 5.1	59.1	7 58.7	2.42	— —	—	16 0	1.8
Sept. 1	7 35 59	149	+18 13.3	− 8.2	58.8	8 55.6	2.32	1 1	3.1	16 38	1.4
2	8 34 11	142	+14 25.5	−10.6	58.5	9 49.7	2.20	2 16	3.1	17 9	1.2
3	9 29 28	135	+ 9 50.8	−12.1	58.0	10 40.9	2.08	3 32	3.2	17 35	1.0

Mond 1937

Tag	0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		Parallaxe		Halbmesser		Länge	Breite
1937	h m s	m s	° ′	° ′	′ ″	″	′ ″	″	°	°
Sept. 3	9 6 2	52 2	+11 53.4	4 42.3	58 14.2	29.4	15 53.6	8.0	135.410	−4.529
4	9 58 4	50 3	+ 7 11.1	4 58.2	57 44.8	33.5	15 45.6	9.2	149.108	−4.907
5	10 48 7	48 42	+ 2 12.9	4 58.0	57 11.3	36.1	15 36.4	9.8	162.579	−5.003
6	11 36 49	48 2	− 2 45.1	4 44.1	56 35.2	36.2	15 26.6	9.9	175.775	−4.828
7	12 24 51	47 57	− 7 29.2	4 18.5	55 59.0	33.9	15 16.7	9.2	188.670	−4.407
8	13 12 48	48 20	−11 47.7	3 43.0	55 25.1	29.3	15 7.5	8.0	201.261	−3.777
9	14 1 8	49 2	−15 30.7	2 59.5	54 55.8	22.5	14 59.5	6.1	213.569	−2.982
10	14 50 10	49 52	−18 30.2	2 9.2	54 33.3	14.1	14 53.4	3.9	225.642	−2.064
11	15 40 2	50 38	−20 39.4	1 13.9	54 19.2	4.4	14 49.5	1.2	237.544	−1.067
12	16 30 40	51 9	−21 53.3	0 15.4	54 14.8	5.9	14 48.3	1.6	249.354	−0.029
13	17 21 49	51 19	−22 8.7	0 44.8	54 20.7	16.2	14 49.9	4.5	261.161	+1.010
14	18 13 8	51 9	−21 23.9	1 43.9	54 36.9	25.9	14 54.4	7.0	273.057	+2.013
15	19 4 17	50 48	−19 40.0	2 40.3	55 2.8	34.4	15 1.4	9.4	285.132	+2.940
16	19 55 5	50 22	−16 59.7	3 31.4	55 37.2	40.7	15 10.8	11.1	297.468	+3.750
17	20 45 27	50 8	−13 28.3	4 14.7	56 17.9	44.5	15 21.9	12.1	310.131	+4.398
18	21 35 35	50 15	− 9 13.6	4 48.0	57 2.4	44.8	15 34.0	12.2	323.162	+4.838
19	22 25 50	50 56	− 4 25.6	5 8.4	57 47.2	41.5	15 46.2	11.3	336.575	+5.028
20	23 16 46	52 12	+ 0 42.8	5 12.7	58 28.7	34.9	15 57.5	9.5	350.346	+4.935
21	0 8 58	54 5	+ 5 55.5	4 58.7	59 3.6	25.6	16 7.0	7.0	4.417	+4.544
22	1 3 3	56 23	+10 54.2	4 24.3	59 29.2	14.9	16 14.0	4.0	18.706	+3.864
23	1 59 26	58 45	+15 18.5	3 30.0	59 44.1	3.9	16 18.0	1.1	33.114	+2.932
24	2 58 11	60 40	+18 48.5	2 18.4	59 48.0	5.8	16 19.1	1.6	47.550	+1.809
25	3 58 51	61 33	+21 6.9	0 55.6	59 42.2	13.7	16 17.5	3.7	61.934	+0.572
26	5 0 24	61 6	+22 2.5	0 30.2	59 28.5	19.5	16 13.8	5.3	76.211	−0.695
27	6 1 30	59 23	+21 32.3	1 50.3	59 9.0	23.3	16 8.5	6.4	90.348	−1.907
28	7 0 53	56 52	+19 42.0	2 58.4	58 45.7	25.9	16 2.1	7.0	104.330	−2.992
29	7 57 45	54 8	+16 43.6	3 50.9	58 19.8	27.4	15 55.1	7.5	118.151	−3.888
30	8 51 53	51 38	+12 52.7	4 26.8	57 52.4	28.5	15 47.6	7.7	131.805	−4.550
Okt. 1	9 43 31	49 40	+ 8 25.9	4 46.9	57 23.9	29.3	15 39.9	8.0	145.283	−4.949
2	10 33 11	48 23	+ 3 39.0	4 52.3	56 54.6	29.7	15 31.9	8.1	158.573	−5.074
3	11 21 34	47 46	− 1 13.3	4 44.1	56 24.9	29.5	15 23.8	8.1	171.655	−4.930
4	12 9 20	47 45	− 5 57.4	4 24.0	55 55.4	28.6	15 15.7	7.7	184.515	−4.536
5	12 57 5	48 12	−10 21.4	3 53.1	55 26.8	26.2	15 8.0	7.2	197.140	−3.924
6	13 45 17	48 57	−14 14.5	3 12.8	55 0.6	22.6	15 0.8	6.1	209.532	−3.135
7	14 34 14	49 45	−17 27.3	2 24.7	54 38.0	17.2	14 54.7	4.7	221.708	−2.212
8	15 23 59	50 28	−19 52.0	1 30.9	54 20.8	10.4	14 50.0	2.9	233.699	−1.201
9	16 14 27	50 53	−21 22.9	0 33.4	54 10.4	2.1	14 47.1	0.5	245.555	−0.147
10	17 5 20	50 54	−21 56.3	0 25.5	54 8.3	7.3	14 46.6	1.9	257.338	+0.910
11	17 56 14	50 36	−21 30.8	1 23.3	54 15.6	17.2	14 48.5	4.7	269.125	+1.930
12	18 46 50	50 5	−20 7.5	2 18.2	54 32.8	27.5	14 53.2	7.5	280.999	+2.875
13	19 36 55	49 34	−17 49.3	3 8.8	55 0.3	37.1	15 0.7	10.1	293.049	+3.707
14	20 26 29		−14 40.5		55 37.4		15 10.8		305.362	+4.388

Tag	Obere Kulmination in Greenwich							0h Länge, + 50° Breite			
	AR.	Änderung für 1h westl. Länge	Dekl.	Änderung für 1h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1h westl. Länge	Aufgang	Änderung für 1h westl. Länge	Untergang	Änderung für 1h westl. Länge
1937	h m s	s	° ′	′	′	h m	m	h m	m	h m	m
Sept. 3	9 29 28	135	+ 9 50.8	−12.1	58.0	10 40.9	2.08	3 32	3.2	17 35	1.0
4	10 22 14	129	+ 4 49.3	−12.9	57.5	11 29.6	1.99	4 48	3.1	17 58	0.9
5	11 13 9	126	− 0 20.4	−12.8	56.9	12 16.4	1.93	6 1	3.0	18 19	0.9
6	12 2 57	124	− 5 21.9	−12.2	56.3	13 2.1	1.90	7 12	2.9	18 41	0.9
7	12 52 23	124	−10 1.5	−11.0	55.7	13 47.5	1.90	8 22	2.9	19 3	1.0
8	13 42 2	125	−14 7.7	− 9.4	55.1	14 33.1	1.92	9 30	2.8	19 28	1.1
9	14 32 21	127	−17 30.8	− 7.4	54.7	15 19.3	1.95	10 36	2.7	19 56	1.3
10	15 23 33	129	−20 2.8	− 5.2	54.4	16 6.5	1.99	11 39	2.5	20 29	1.5
11	16 15 38	131	−21 37.5	− 2.7	54.3	16 54.5	2.02	12 38	2.4	21 8	1.8
12	17 8 24	132	−22 10.4	0.0	54.3	17 43.2	2.04	13 32	2.1	21 54	2.1
13	18 1 27	133	−21 39.4	+ 2.6	54.5	18 32.1	2.05	14 19	1.8	22 48	2.4
14	18 54 24	132	−20 4.6	+ 5.2	55.0	19 21.0	2.03	14 59	1.5	23 48	2.6
15	19 46 59	131	−17 28.9	+ 7.7	55.5	20 9.5	2.02	15 32	1.3	— —	—
16	20 39 5	130	−13 57.7	+ 9.9	56.2	20 57.5	2.00	16 2	1.2	0 53	2.8
17	21 30 53	129	− 9 39.0	+11.6	57.0	21 45.3	2.00	16 28	1.0	2 2	2.9
18	22 22 48	130	− 4 43.7	+12.9	57.7	22 33.1	2.00	16 51	1.0	3 13	3.0
19	23 15 24	133	+ 0 34.4	+13.5	58.5	23 21.6	2.05	17 14	1.0	4 27	3.1
20	— — —	—	— —	—	—	— —	—	17 38	1.0	5 43	3.2
21	0 9 24	137	+ 5 58.0	+13.3	59.1	0 11.6	2.13	18 3	1.1	7 0	3.3
22	1 5 29	143	+11 6.7	+12.2	59.5	1 3.6	2.22	18 31	1.3	8 20	3.3
23	2 4 10	150	+15 38.1	+10.2	59.7	1 58.2	2.34	19 6	1.6	9 39	3.3
24	3 5 30	156	+19 9.5	+ 7.3	59.8	2 55.4	2.43	19 49	2.0	10 56	3.1
25	4 8 51	160	+21 21.8	+ 3.7	59.7	3 54.6	2.50	20 41	2.4	12 7	2.8
26	5 12 59	160	+22 3.2	− 0.2	59.4	4 54.7	2.50	21 43	2.7	13 8	2.3
27	6 16 17	156	+21 12.3	− 4.0	59.1	5 53.9	2.43	22 52	3.0	13 58	1.9
28	7 17 23	149	+18 57.4	− 7.2	58.6	6 50.9	2.32	— —	—	14 38	1.5
29	8 15 32	141	+15 34.0	− 9.7	58.2	7 44.9	2.19	0 6	3.1	15 11	1.3
30	9 10 39	134	+11 20.4	−11.4	57.7	8 36.0	2.08	1 20	3.1	15 38	1.0
Okt. 1	10 3 11	129	+ 6 34.9	−12.3	57.2	9 24.4	1.98	2 34	3.0	16 1	0.9
2	10 53 50	125	+ 1 34.8	−12.6	56.7	10 11.0	1.92	3 46	3.0	16 23	0.9
3	11 43 23	123	− 3 24.6	−12.3	56.2	10 56.5	1.89	4 57	2.9	16 44	0.9
4	12 32 34	123	− 8 9.2	−11.4	55.7	11 41.6	1.89	6 6	2.9	17 7	1.0
5	13 22 1	124	−12 26.8	−10.0	55.2	12 27.0	1.91	7 15	2.8	17 30	1.1
6	14 12 8	126	−16 6.2	− 8.2	54.8	13 13.0	1.94	8 21	2.7	17 58	1.2
7	15 3 9	129	−18 57.9	− 6.1	54.5	14 0.0	1.98	9 26	2.6	18 28	1.4
8	15 55 2	131	−20 54.7	− 3.6	54.2	14 47.8	2.01	10 27	2.4	19 6	1.7
9	16 47 31	132	−21 51.3	− 1.1	54.1	15 36.2	2.03	11 22	2.2	19 49	2.0
10	17 40 10	132	−21 45.2	+ 1.6	54.2	16 24.8	2.03	12 11	1.9	20 40	2.2
11	18 32 35	130	−20 36.8	+ 4.1	54.4	17 13.1	2.01	12 54	1.6	21 36	2.5
12	19 24 29	129	−18 28.7	+ 6.5	54.9	18 0.9	1.98	13 30	1.4	22 38	2.7
13	20 15 47	128	−15 25.4	+ 8.7	55.5	18 48.1	1.96	14 0	1.2	23 44	2.8
14	21 6 41	127	−11 33.3	+10.6	56.2	19 35.0	1.95	14 27	1.1	— —	—

Tag	0h Welt-Zeit									
	Scheinbare Rektaszension		Scheinbare Deklination		Parallaxe		Halbmesser		Länge	Breite
1937	h m s	m s	° ′	° ′	′ ″	″	′ ″	″	°	°
Okt. 14	20 26 29	49 16	−14 40.5	3 53.1	55 37.4	45.3	15 10.8	12.4	305.362	+4.388
15	21 15 45	49 24	−10 47.4	4 29.7	56 22.7	51.3	15 23.2	13.9	318.017	+4.875
16	22 5 9	50 8	− 6 17.7	4 56.3	57 14.0	53.6	15 37.1	14.7	331.074	+5.130
17	22 55 17	51 34	− 1 21.4	5 9.7	58 7.6	51.8	15 51.8	14.1	344.570	+5.113
18	23 46 51	53 44	+ 3 48.3	5 6.4	58 59.4	45.0	16 5.9	12.2	358.501	+4.798
19	0 40 35	56 29	+ 8 54.7	4 42.6	59 44.4	33.6	16 18.1	9.2	12.821	+4.179
20	1 37 4	59 26	+13 37.3	3 56.0	60 18.0	18.9	16 27.3	5.1	27.446	+3.275
21	2 36 30	61 58	+17 33.3	2 47.7	60 36.9	2.8	16 32.4	0.8	42.254	+2.140
22	3 38 28	63 24	+20 21.0	1 23.4	60 39.7	12.7	16 33.2	3.4	57.116	+0.853
23	4 41 52	63 9	+21 44.4	0 7.3	60 27.0	25.3	16 29.8	7.0	71.905	−0.488
24	5 45 1	61 19	+21 37.1	1 33.2	60 1.7	34.2	16 22.8	9.3	86.518	−1.783
25	6 46 20	58 21	+20 3.9	2 45.7	59 27.5	39.3	16 13.5	10.7	100.884	−2.944
26	7 44 41	55 4	+17 18.2	3 40.9	58 48.2	40.8	16 2.8	11.1	114.965	−3.903
27	8 39 45	52 2	+13 37.3	4 18.4	58 7.4	40.0	15 51.7	10.9	128.749	−4.615
28	9 31 47	49 39	+ 9 18.9	4 39.5	57 27.4	37.4	15 40.8	10.2	142.242	−5.054
29	10 21 26	48 3	+ 4 39.4	4 46.7	56 50.0	34.2	15 30.6	9.4	155.462	−5.214
30	11 9 29	47 14	− 0 7.3	4 41.4	56 15.8	30.7	15 21.2	8.3	168.430	−5.103
31	11 56 43	47 9	− 4 48.7	4 25.1	55 45.1	27.1	15 12.9	7.4	181.167	−4.739
Nov. 1	12 43 52	47 37	− 9 13.8	3 58.3	55 18.0	23.7	15 5.5	6.4	193.693	−4.153
2	13 31 29	48 28	−13 12.1	3 22.0	54 54.3	20.1	14 59.1	5.5	206.027	−3.380
3	14 19 57	49 26	−16 34.1	2 37.3	54 34.2	16.1	14 53.6	4.4	218.188	−2.461
4	15 9 23	50 18	−19 11.4	1 45.4	54 18.1	11.5	14 49.2	3.1	230.200	−1.442
5	15 59 41	50 49	−20 56.8	0 49.0	54 6.6	6.0	14 46.1	1.6	242.091	−0.368
6	16 50 30	50 52	−21 45.8	0 9.3	54 0.6	0.6	14 44.5	0.1	253.898	+0.716
7	17 41 22	50 27	−21 36.5	1 6.9	54 1.2	8.3	14 44.6	2.3	265.667	+1.768
8	18 31 49	49 42	−20 29.6	2 1.2	54 9.5	16.9	14 46.9	4.6	277.455	+2.747
9	19 21 31	48 53	−18 28.4	2 50.7	54 26.4	26.2	14 51.5	7.1	289.327	+3.616
10	20 10 24	48 14	−15 37.7	3 34.0	54 52.6	35.6	14 58.6	9.7	301.357	+4.339
11	20 58 38	48 1	−12 3.7	4 10.3	55 28.2	44.8	15 8.3	12.2	313.621	+4.879
12	21 46 39	48 25	− 7 53.4	4 38.6	56 13.0	52.3	15 20.5	14.3	326.198	+5.202
13	22 35 4	49 35	− 3 14.8	4 56.9	57 5.3	57.4	15 34.8	15.6	339.158	+5.275
14	23 24 39	51 38	+ 1 42.1	5 2.3	58 2.7	58.3	15 50.4	15.9	352.554	+5.069
15	0 16 17	54 31	+ 6 44.4	4 50.6	59 1.0	54.3	16 6.3	14.8	6.415	+4.566
16	1 10 48	58 1	+11 35.0	4 18.0	59 55.3	44.5	16 21.1	12.1	20.728	+3.768
17	2 8 49	61 33	+15 53.0	3 21.4	60 39.8	29.3	16 33.2	8.0	35.436	+2.702
18	3 10 22	64 19	+19 14.4	2 2.8	61 9.1	10.5	16 41.2	2.9	50.436	+1.430
19	4 14 41	65 24	+21 17.2	0 29.6	61 19.6	9.4	16 44.1	2.6	65.589	+0.044
20	5 20 5	64 24	+21 46.8	1 5.0	61 10.2	27.3	16 41.5	7.4	80.736	−1.345
21	6 24 29	61 37	+20 41.8	2 28.6	60 42.9	41.1	16 34.1	11.2	95.729	−2.628
22	7 26 6	57 57	+18 13.2	3 33.1	60 1.8	49.6	16 22.9	13.5	110.442	−3.711
23	8 24 3	54 14	+14 40.1	4 16.3	59 12.2	52.9	16 9.4	14.4	124.791	−4.533
24	9 18 17		+10 23.8		58 19.3		15 55.0		138.734	−5.062

Tag	Obere Kulmination in Greenwich							0^h Länge, + 50° Breite			
	AR.	Änderung für 1^h westl. Länge	Dekl.	Änderung für 1^h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1^h westl. Länge	Aufgang	Änderung für 1^h westl. Länge	Untergang	Änderung für 1^h westl. Länge
1937	h m s	s	° '	'	'	h m	m	h m	m	h m	m
Okt. 14	21 6 41	127	−11 33.3	+10.6	56.2	19 35.0	1.95	14 27	1.1	— —	—
15	21 57 38	128	− 7 0.6	+12.1	57.1	20 21.9	1.97	14 51	1.0	0 52	2.9
16	22 49 17	131	− 1 57.5	+13.1	58.0	21 9.4	2.01	15 14	1.0	2 4	3.0
17	23 42 26	135	+ 3 22.1	+13.4	58.9	21 58.5	2.10	15 37	1.0	3 17	3.1
18	0 37 55	142	+ 8 40.2	+12.9	59.7	22 49.9	2.20	16 2	1.1	4 34	3.3
19	1 36 26	150	+13 34.4	+11.4	60.3	23 44.3	2.34	16 30	1.3	5 53	3.3
20	— — —	—	— —	—	—	— —	—	17 2	1.5	7 14	3.4
21	2 38 17	159	+17 39.3	+ 8.8	60.6	0 42.1	2.48	17 43	1.9	8 35	3.3
22	3 42 58	164	+20 29.9	+ 5.3	60.7	1 42.7	2.57	18 33	2.3	9 51	3.0
23	4 49 8	166	+21 48.1	+ 1.2	60.4	2 44.7	2.59	19 34	2.7	10 58	2.6
24	5 54 49	162	+21 27.9	− 2.8	59.9	3 46.3	2.53	20 43	3.0	11 54	2.1
25	6 58 9	154	+19 36.3	− 6.3	59.3	4 45.5	2.40	21 57	3.1	12 38	1.6
26	7 58 2	145	+16 30.1	− 9.0	58.6	5 41.3	2.25	23 11	3.1	13 13	1.3
27	8 54 14	136	+12 29.7	−10.9	57.9	6 33.4	2.10	— —	—	13 42	1.1
28	9 47 15	129	+ 7 54.6	−11.9	57.3	7 22.4	1.99	0 25	3.0	14 6	1.0
29	10 37 53	124	+ 3 2.2	−12.3	56.6	8 8.9	1.91	1 37	3.0	14 28	0.9
30	11 27 3	122	− 1 52.9	−12.2	56.1	8 54.0	1.87	2 47	2.9	14 50	0.9
31	12 15 39	121	− 6 37.8	−11.5	55.6	9 38.5	1.86	3 56	2.8	15 11	0.9
Nov. 1	13 4 24	123	−11 0.8	−10.3	55.1	10 23.2	1.88	5 3	2.8	15 34	1.0
2	13 53 52	125	−14 51.0	− 8.8	54.7	11 8.6	1.92	6 10	2.8	16 0	1.1
3	14 44 23	128	−17 58.3	− 6.8	54.4	11 55.1	1.96	7 15	2.6	16 29	1.3
4	15 35 56	130	−20 14.0	− 4.5	54.2	12 42.6	2.00	8 17	2.5	17 4	1.6
5	16 28 16	131	−21 31.6	− 2.0	54.0	13 30.8	2.03	9 14	2.3	17 46	1.9
6	17 20 53	131	−21 47.3	+ 0.6	54.0	14 19.4	2.03	10 6	2.0	18 34	2.1
7	18 13 14	130	−21 0.9	+ 3.2	54.1	15 7.6	2.00	10 50	1.7	19 28	2.4
8	19 4 53	128	−19 15.0	+ 5.6	54.3	15 55.2	1.97	11 28	1.5	20 27	2.5
9	19 55 37	126	−16 34.5	+ 7.7	54.7	16 41.9	1.93	12 0	1.3	21 30	2.7
10	20 45 33	124	−13 5.9	+ 9.6	55.3	17 27.7	1.90	12 28	1.1	22 36	2.8
11	21 35 5	124	− 8 56.6	+11.1	56.0	18 13.2	1.90	12 52	1.0	23 44	2.9
12	22 24 52	125	− 4 14.9	+12.3	56.9	18 58.9	1.93	13 15	0.9	— —	—
13	23 15 46	129	+ 0 48.9	+12.9	57.9	19 45.8	2.00	13 37	0.9	0 55	3.0
14	0 8 46	136	+ 6 1.5	+13.0	58.9	20 34.7	2.10	14 0	1.0	2 7	3.1
15	1 4 51	145	+11 5.2	+12.2	59.8	21 26.7	2.25	14 26	1.2	3 23	3.2
16	2 4 46	155	+15 37.1	+10.3	60.6	22 22.5	2.41	14 56	1.4	4 42	3.4
17	3 8 43	164	+19 10.1	+ 7.3	61.1	23 22.3	2.57	15 32	1.7	6 4	3.4
18	— — —	—	— —	—	—	— —	—	16 18	2.2	7 24	3.2
19	4 15 50	170	+21 18.5	+ 3.3	61.3	0 25.3	2.67	17 16	2.6	8 38	2.9
20	5 24 8	170	+21 45.5	− 1.1	61.1	1 29.5	2.67	18 24	3.0	9 41	2.4
21	6 31 9	164	+20 29.8	− 5.1	60.7	2 32.4	2.56	19 39	3.2	10 32	1.9
22	7 34 53	154	+17 45.4	− 8.4	59.9	3 32.0	2.40	20 57	3.2	11 12	1.5
23	8 34 24	143	+13 55.2	−10.6	59.0	4 27.5	2.23	22 13	3.1	11 44	1.2
24	9 29 51	134	+ 9 23.2	−11.9	58.1	5 18.8	2.07	23 27	3.0	12 10	1.0

Mond 1937

Tag	0h Welt-Zeit									
	Scheinbare Rektaszension		Scheinbare Deklination		Parallaxe		Halbmesser		Länge	Breite
1937	h m s	m s	° ′	° ′	′ ″	″	′ ″	″	°	°
Nov. 24	9 18 17	51 7	+10 23.8	4 40.3	58 19.3	51.8	15 55.0	14.2	138.734	−5.062
25	10 9 24	48 49	+ 5 43.5	4 48.3	57 27.5	47.9	15 40.8	13.0	152.270	−5.290
26	10 58 13	47 28	+ 0 55.2	4 43.5	56 39.6	42.0	15 27.8	11.5	165.421	−5.233
27	11 45 41	46 56	− 3 48.3	4 28.0	55 57.6	35.4	15 16.3	9.6	178.231	−4.914
28	12 32 37	47 8	− 8 16.3	4 3.1	55 22.2	28.7	15 6.7	7.8	190.752	−4.366
29	13 19 45	47 51	−12 19.4	3 29.4	54 53.5	22.3	14 58.9	6.1	203.038	−3.626
30	14 7 36	48 53	−15 48.8	2 47.6	54 31.2	16.5	14 52.8	4.5	215.139	−2.734
Dez. 1	14 56 29	49 54	−18 36.4	1 58.4	54 14.7	11.1	14 48.3	3.0	227.103	−1.731
2	15 46 23	50 39	−20 34.8	1 3.6	54 3.6	6.0	14 45.3	1.7	238.971	−0.660
3	16 37 2	50 58	−21 38.4	0 5.7	53 57.6	1.0	14 43.6	0.2	250.781	+0.433
4	17 28 0	50 41	−21 44.1	0 52.4	53 56.6	4.2	14 43.4	1.1	262.568	+1.505
5	18 18 41	49 57	−20 51.7	1 47.7	54 0.8	10.1	14 44.5	2.8	274.368	+2.514
6	19 8 38	48 56	−19 4.0	2 37.7	54 10.9	16.6	14 47.3	4.5	286.218	+3.418
7	19 57 34	47 57	−16 26.3	3 21.1	54 27.5	23.9	14 51.8	6.5	298.163	+4.180
8	20 45 31	47 16	−13 5.2	3 57.0	54 51.4	31.6	14 58.3	8.6	310.249	+4.766
9	21 32 47	47 6	− 9 8.2	4 24.6	55 23.0	39.6	15 6.9	10.8	322.533	+5.144
10	22 19 53	47 39	− 4 43.6	4 43.3	56 2.6	47.2	15 17.7	12.9	335.074	+5.288
11	23 7 32	49 6	− 0 0.3	4 51.7	56 49.8	53.2	15 30.6	14.4	347.933	+5.175
12	23 56 38	51 28	+ 4 51.4	4 47.2	57 43.0	56.6	15 45.0	15.5	1.167	+4.789
13	0 48 6	54 42	+ 9 38.6	4 25.9	58 39.6	55.9	16 0.5	15.2	14.818	+4.126
14	1 42 48	58 30	+14 4.5	3 44.4	59 35.5	50.1	16 15.7	13.7	28.908	+3.197
15	2 41 18	62 15	+17 48.9	2 40.2	60 25.6	38.4	16 29.4	10.4	43.423	+2.038
16	3 43 33	65 0	+20 29.1	1 15.7	61 4.0	21.6	16 39.8	5.9	58.304	+0.715
17	4 48 33	65 52	+21 44.8	0 20.4	61 25.6	1.3	16 45.7	0.4	73.445	−0.679
18	5 54 25	64 33	+21 24.4	1 54.4	61 26.9	19.2	16 46.1	5.3	88.700	−2.033
19	6 58 58	61 32	+19 30.0	3 13.4	61 7.7	37.1	16 40.8	10.1	103.902	−3.237
20	8 0 30	57 46	+16 16.6	4 10.1	60 30.6	50.0	16 30.7	13.6	118.886	−4.199
21	8 58 16	54 6	+12 6.5	4 43.5	59 40.6	57.1	16 17.1	15.6	133.518	−4.860
22	9 52 22	51 9	+ 7 23.0	4 56.5	58 43.5	58.6	16 1.5	15.9	147.710	−5.201
23	10 43 31	49 2	+ 2 26.5	4 53.4	57 44.9	55.5	15 45.6	15.1	161.424	−5.229
24	11 32 33	47 52	− 2 26.9	4 38.1	56 49.4	49.4	15 30.5	13.5	174.672	−4.973
25	12 20 25	47 29	− 7 5.0	4 13.0	56 0.0	41.2	15 17.0	11.2	187.495	−4.474
26	13 7 54	47 47	−11 18.0	3 39.6	55 18.8	32.5	15 5.8	8.9	199.961	−3.775
27	13 55 41	48 32	−14 57.6	2 58.9	54 46.3	23.7	14 56.9	6.5	212.144	−2.919
28	14 44 13	49 28	−17 56.5	2 11.5	54 22.6	15.4	14 50.4	4.1	224.124	−1.948
29	15 33 41	50 20	−20 8.0	1 18.6	54 7.2	8.0	14 46.3	2.2	235.973	−0.905
30	16 24 1	50 51	−21 26.6	0 21.6	53 59.2	1.4	14 44.1	0.4	247.757	+0.169
31	17 14 52	50 53	−21 48.2	0 36.5	53 57.8	4.2	14 43.7	1.1	259.531	+1.233
32	18 5 45		−21 11.7		54 2.0		14 44.8		271.342	+2.245

Tag	Obere Kulmination in Greenwich							0h Länge, + 50° Breite			
	AR.	Änderung für 1h westl. Länge	Dekl.	Änderung für 1h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1h westl. Länge	Aufgang	Änderung für 1h westl. Länge	Untergang	Änderung für 1h westl. Länge
1937	h m s	s	° ′	′	′	h m	m	h m	m	h m	m
Nov. 24	9 29 51	134	+ 9 23.2	−11.9	58.1	5 18.8	2.07	23 27	3.0	12 10	1.0
25	10 22 1	127	+ 4 30.3	−12.4	57.2	6 6.9	1.96	— —	—	12 34	0.9
26	11 11 56	123	− 0 27.0	−12.3	56.4	6 52.8	1.88	0 38	2.9	12 55	0.9
27	12 0 37	121	− 5 15.5	−11.7	55.8	7 37.4	1.85	1 47	2.9	13 16	0.9
28	12 48 59	121	− 9 44.3	−10.6	55.2	8 21.7	1.86	2 55	2.8	13 39	1.0
29	13 37 48	123	−13 43.3	− 9.2	54.7	9 6.5	1.89	4 1	2.7	14 3	1.1
30	14 27 34	126	−17 3.2	− 7.4	54.4	9 52.2	1.93	5 6	2.7	14 31	1.3
Dez. 1	15 18 30	129	−19 35.4	− 5.2	54.2	10 39.0	1.98	6 9	2.5	15 4	1.5
2	16 10 28	131	−21 12.2	− 2.8	54.0	11 26.9	2.01	7 8	2.4	15 43	1.8
3	17 3 4	132	−21 48.6	− 0.2	53.9	12 15.4	2.03	8 2	2.1	16 29	2.1
4	17 55 39	131	−21 22.7	+ 2.4	54.0	13 3.9	2.02	8 48	1.8	17 22	2.3
5	18 47 39	129	−19 56.0	+ 4.8	54.1	13 51.9	1.98	9 28	1.5	18 20	2.5
6	19 38 37	126	−17 33.3	+ 7.0	54.3	14 38.8	1.93	10 2	1.3	19 21	2.6
7	20 28 27	123	−14 21.7	+ 8.9	54.7	15 24.5	1.89	10 31	1.1	20 26	2.7
8	21 17 23	122	−10 29.1	+10.4	55.2	16 9.4	1.86	10 56	1.0	21 32	2.8
9	22 5 55	121	− 6 4.3	+11.6	55.8	16 53.9	1.86	11 19	0.9	22 40	2.9
10	22 54 49	123	− 1 16.6	+12.3	56.6	17 38.7	1.90	11 40	0.9	23 49	2.9
11	23 45 2	128	+ 3 43.4	+12.6	57.5	18 24.9	1.97	12 2	0.9	— —	—
12	0 37 38	135	+ 8 42.5	+12.2	58.5	19 13.4	2.09	12 25	1.0	1 1	3.1
13	1 33 38	145	+13 23.4	+11.0	59.4	20 5.3	2.25	12 52	1.2	2 16	3.2
14	2 33 50	156	+17 24.1	+ 8.8	60.3	21 1.4	2.43	13 24	1.5	3 33	3.3
15	3 38 19	166	+20 18.9	+ 5.6	61.0	22 1.8	2.60	14 3	1.9	4 53	3.3
16	4 46 3	172	+21 43.6	+ 1.4	61.4	23 5.4	2.69	14 54	2.4	6 10	3.0
17	— — —	—	— —	—	—	— —	—	15 57	2.9	7 19	2.7
18	5 54 53	171	+21 23.9	− 3.0	61.4	0 10.1	2.68	17 11	3.2	8 18	2.2
19	7 2 11	164	+19 21.9	− 7.0	61.1	1 13.3	2.58	18 30	3.3	9 5	1.8
20	8 6 0	154	+15 55.5	−10.0	60.4	2 13.0	2.40	19 50	3.3	9 42	1.4
21	9 5 32	144	+11 30.8	−11.9	59.6	3 8.4	2.23	21 9	3.2	10 12	1.1
22	10 1 5	134	+ 6 34.1	−12.7	58.6	3 59.9	2.08	22 24	3.0	10 37	1.0
23	10 53 28	128	+ 1 27.1	−12.8	57.6	4 48.2	1.97	23 35	2.9	11 0	0.9
24	11 43 44	124	− 3 33.3	−12.2	56.6	5 34.4	1.90	— —	—	11 22	0.9
25	12 32 56	122	− 8 14.5	−11.2	55.8	6 19.6	1.88	0 44	2.9	11 44	1.0
26	13 21 56	123	−12 26.5	− 9.8	55.1	7 4.5	1.88	1 52	2.8	12 8	1.1
27	14 11 26	125	−16 0.8	− 8.0	54.6	7 49.9	1.91	2 58	2.7	12 35	1.2
28	15 1 50	127	−18 49.4	− 6.0	54.3	8 36.2	1.96	4 2	2.6	13 6	1.4
29	15 53 18	130	−20 45.3	− 3.6	54.1	9 23.6	2.00	5 2	2.4	13 42	1.7
30	16 45 35	131	−21 42.9	− 1.1	54.0	10 11.8	2.03	5 57	2.2	14 26	2.0
31	17 38 14	132	−21 38.7	+ 1.5	54.0	11 0.4	2.03	6 46	1.9	15 16	2.2

Phasen des Mondes

1937		Welt-Zeit h	m	
Jan.	4	14	21.9	Letztes Viertel
	12	16	46.9	Neumond
	19	20	2.1	Erstes Viertel
	26	17	15.3	Vollmond
Febr.	3	12	4.0	Letztes Viertel
	11	7	34.3	Neumond
	18	3	49.6	Erstes Viertel
	25	7	43.2	Vollmond
März	5	9	17.0	Letztes Viertel
	12	19	31.7	Neumond
	19	11	45.7	Erstes Viertel
	26	23	12.2	Vollmond
April	4	3	52.6	Letztes Viertel
	11	5	9.9	Neumond
	17	20	33.9	Erstes Viertel
	25	15	23.5	Vollmond
Mai	3	18	36.5	Letztes Viertel
	10	13	17.5	Neumond
	17	6	49.3	Erstes Viertel
	25	7	37.6	Vollmond
Juni	2	5	23.5	Letztes Viertel
	8	20	43.0	Neumond
	15	19	2.8	Erstes Viertel
	23	22	59.5	Vollmond
Juli	1	13	2.6	Letztes Viertel

1937		Welt-Zeit h	m	
Juli	8	4	12.5	Neumond
	15	9	36.4	Erstes Viertel
	23	12	45.5	Vollmond
	30	18	46.6	Letztes Viertel
Aug.	6	12	36.8	Neumond
	14	2	28.1	Erstes Viertel
	22	0	47.0	Vollmond
	28	23	54.5	Letztes Viertel
Sept.	4	22	53.5	Neumond
	12	20	57.1	Erstes Viertel
	20	11	32.4	Vollmond
	27	5	43.3	Letztes Viertel
Okt.	4	11	57.8	Neumond
	12	15	47.0	Erstes Viertel
	19	21	47.5	Vollmond
	26	13	25.6	Letztes Viertel
Nov.	3	4	15.8	Neumond
	11	9	33.2	Erstes Viertel
	18	8	9.5	Vollmond
	25	0	4.1	Letztes Viertel
Dez.	2	23	10.6	Neumond
	11	1	12.4	Erstes Viertel
	17	18	52.4	Vollmond
	24	14	19.8	Letztes Viertel
	32	18	58.2	Neumond

Mond in Erdnähe

1937		Welt-Zeit h
Jan.	22	3
Febr.	15	20
März	15	3
April	12	8
Mai	10	18
Juni	8	3
Juli	6	9
Aug.	3	4
Aug.	29	3
Sept.	23	21
Okt.	21	16
Nov.	19	1
Dez.	17	14

Mond in Erdferne

1937		Welt-Zeit h
Jan.	6	15
Febr.	3	12
März	3	8
März	31	1
April	27	10
Mai	24	13
Juni	20	20
Juli	18	10
Aug.	15	3
Sept.	11	22
Okt.	9	18
Nov.	6	10
Dez.	3	17
Dez.	30	18

Tag	0h Welt-Zeit: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1937	h m s	m s	° ′ ″	′ ″			h m
Jan. 0	20 3 59.14	3 19.25	−21 24 21.1	22 35.2	9.980 653	12 047	13 26.7
1	20 7 18.39	2 46.69	21 1 45.9	22 21.1	9.968 606	12 449	13 25.8
2	20 10 5.08	2 10.66	20 39 24.8	21 49.3	9.956 157	12 781	13 24.3
3	20 12 15.74	1 31.17	20 17 35.5	20 58.3	9.943 376	13 016	13 22.2
4	20 13 46.91	0 48.43	19 56 37.2	19 47.8	9.930 360	13 128	13 19.4
5	20 14 35.34	0 2.85	19 36 49.4	18 17.8	9.917 232	13 083	13 15.9
6	20 14 38.19	0 44.87	−19 18 31.6	16 29.3	9.904 149	12 854	13 11.6
7	20 13 53.32	1 33.73	19 2 2.3	14 24.9	9.891 295	12 410	13 6.4
8	20 12 19.59	2 22.38	18 47 37.4	12 7.4	9.878 885	11 726	13 0.5
9	20 9 57.21	3 9.23	18 35 30.0	9 41.1	9.867 159	10 792	12 53.8
10	20 6 47.98	3 52.38	18 25 48.9	7 10.7	9.856 367	9 603	12 46.3
11	20 2 55.60	4 29.94	18 18 38.2	4 41.4	9.846 764	8 179	12 38.2
12	19 58 25.66	5 0.08	−18 13 56.8	2 17.9	9.838 585	6 552	12 29.6
13	19 53 25.58	5 21.30	18 11 38.9	0 4.6	9.832 033	4 775	12 20.5
14	19 48 4.28	5 32.61	18 11 34.3	1 55.6	9.827 258	2 908	12 11.1
15	19 42 31.67	5 33.69	18 13 29.9	3 41.4	9.824 350	1 028	12 1.7
16	19 36 57.98	5 24.82	18 17 11.3	5 11.6	9.823 322	798	11 52.3
17	19 31 33.16	5 7.03	18 22 22.9	6 27.2	9.824 120	2 510	11 43.1
18	19 26 26.13	4 41.68	−18 28 50.1	7 28.7	9.826 630	4 058	11 34.3
19	19 21 44.45	4 10.45	18 36 18.8	8 17.9	9.830 688	5 410	11 25.9
20	19 17 34.00	3 35.05	18 44 36.7	8 55.4	9.836 098	6 554	11 18.1
21	19 13 58.95	2 57.14	18 53 32.1	9 22.6	9.842 652	7 485	11 10.9
22	19 11 1.81	2 18.12	19 2 54.7	9 40.2	9.850 137	8 213	11 4.4
23	19 8 43.69	1 39.15	19 12 34.9	9 49.0	9.858 350	8 758	10 58.5
24	19 7 4.54	1 1.11	−19 22 23.9	9 49.7	9.867 108	9 139	10 53.2
25	19 6 3.43	0 24.66	19 32 13.6	9 42.6	9.876 247	9 380	10 48.5
26	19 5 38.77	0 9.84	19 41 56.2	9 28.5	9.885 627	9 504	10 44.4
27	19 5 48.61	0 42.11	19 51 24.7	9 7.6	9.895 131	9 530	10 40.9
28	19 6 30.72	1 12.06	20 0 32.3	8 40.7	9.904 661	9 481	10 37.9
29	19 7 42.78	1 39.67	20 9 13.0	8 8.0	9.914 142	9 369	10 35.4
30	19 9 22.45	2 5.02	−20 17 21.0	7 30.2	9.923 511	9 211	10 33.3
31	19 11 27.47	2 28.23	20 24 51.2	6 47.6	9.932 722	9 017	10 31.6
Febr. 1	19 13 55.70	2 49.37	20 31 38.8	6 0.7	9.941 739	8 796	10 30.3
2	19 16 45.07	3 8.65	20 37 39.5	5 10.0	9.950 535	8 559	10 29.3
3	19 19 53.72	3 26.18	20 42 49.5	4 15.9	9.959 094	8 308	10 28.6
4	19 23 19.90	3 42.12	20 47 5.4	3 18.8	9.967 402	8 052	10 28.2
5	19 27 2.02	3 56.62	−20 50 24.2	2 18.8	9.975 454	7 791	10 28.1
6	19 30 58.64	4 9.79	20 52 43.0	1 16.6	9.983 245	7 531	10 28.2
7	19 35 8.43	4 21.76	20 53 59.6	0 12.0	9.990 776	7 272	10 28.5
8	19 39 30.19	4 32.65	20 54 11.6	0 54.2	9.998 048	7 017	10 29.0
9	19 44 2.84	4 42.56	20 53 17.4	2 2.3	0.005 065	6 767	10 29.7
10	19 48 45.40		−20 51 15.1		0.011 832		10 30.5

Tag	Scheinbare Rektaszension (0h Welt-Zeit)	Diff.	Scheinbare Deklination (0h Welt-Zeit)	Diff.	log Δ (0h Welt-Zeit)	Diff.	Obere Kulmination in Greenwich
1937	h m s	m s	° ′ ″	′ ″			h m
Febr. 10	19 48 45.40	4 51.59	−20 51 15.1	3 11.6	0.011 832	6 523	10 30.5
11	19 53 36.99	4 59.82	20 48 3.5	4 22.4	0.018 355	6 286	10 31.5
12	19 58 36.81	5 7.31	20 43 41.1	5 34.1	0.024 641	6 056	10 32.6
13	20 3 44.12	5 14.14	20 38 7.0	6 46.9	0.030 697	5 831	10 33.8
14	20 8 58.26	5 20.40	20 31 20.1	8 0.5	0.036 528	5 616	10 35.2
15	20 14 18.66	5 26.11	20 23 19.6	9 14.8	0.042 144	5 406	10 36.7
16	20 19 44.77	5 31.36	−20 14 4.8	10 29.7	0.047 550	5 204	10 38.2
17	20 25 16.13	5 36.15	20 3 35.1	11 45.2	0.052 754	5 009	10 39.8
18	20 30 52.28	5 40.57	19 51 49.9	13 1.1	0.057 763	4 819	10 41.5
19	20 36 32.85	5 44.63	19 38 48.8	14 17.5	0.062 582	4 637	10 43.3
20	20 42 17.48	5 48.38	19 24 31.3	15 34.1	0.067 219	4 459	10 45.1
21	20 48 5.86	5 51.85	19 8 57.2	16 51.1	0.071 678	4 287	10 47.0
22	20 53 57.71	5 55.07	−18 52 6.1	18 8.2	0.075 965	4 121	10 48.9
23	20 59 52.78	5 58.05	18 33 57.9	19 25.5	0.080 086	3 958	10 50.9
24	21 5 50.83	6 0.87	18 14 32.4	20 42.9	0.084 044	3 800	10 53.0
25	21 11 51.70	6 3.50	17 53 49.5	22 0.6	0.087 844	3 645	10 55.1
26	21 17 55.20	6 5.98	17 31 48.9	23 18.1	0.091 489	3 494	10 57.2
27	21 24 1.18	6 8.33	17 8 30.8	24 35.8	0.094 983	3 345	10 59.4
28	21 30 9.51	6 10.57	−16 43 55.0	25 53.4	0.098 328	3 198	11 1.6
März 1	21 36 20.08	6 12.73	16 18 1.6	27 11.0	0.101 526	3 055	11 3.9
2	21 42 32.81	6 14.81	15 50 50.6	28 28.6	0.104 581	2 910	11 6.2
3	21 48 47.62	6 16.85	15 22 22.0	29 45.9	0.107 491	2 769	11 8.5
4	21 55 4.47	6 18.84	14 52 36.1	31 3.1	0.110 260	2 626	11 10.8
5	22 1 23.31	6 20.82	14 21 33.0	32 20.4	0.112 886	2 483	11 13.2
6	22 7 44.13	6 22.78	−13 49 12.6	33 37.3	0.115 369	2 340	11 15.6
7	22 14 6.91	6 24.77	13 15 35.3	34 53.9	0.117 709	2 195	11 18.1
8	22 20 31.68	6 26.76	12 40 41.4	36 10.4	0.119 904	2 048	11 20.6
9	22 26 58.44	6 28.80	12 4 31.0	37 26.4	0.121 952	1 896	11 23.1
10	22 33 27.24	6 30.88	11 27 4.6	38 42.1	0.123 848	1 743	11 25.7
11	22 39 58.12	6 33.02	10 48 22.5	39 57.3	0.125 591	1 584	11 28.3
12	22 46 31.14	6 35.23	−10 8 25.2	41 11.8	0.127 175	1 419	11 30.9
13	22 53 6.37	6 37.51	9 27 13.4	42 25.8	0.128 594	1 249	11 33.6
14	22 59 43.88	6 39.87	8 44 47.6	43 39.0	0.129 843	1 071	11 36.3
15	23 6 23.75	6 42.33	8 1 8.6	44 51.2	0.130 914	885	11 39.0
16	23 13 6.08	6 44.85	7 16 17.4	46 2.2	0.131 799	689	11 41.8
17	23 19 50.93	6 47.50	6 30 15.2	47 12.0	0.132 488	481	11 44.6
18	23 26 38.43	6 50.22	− 5 43 3.2	48 20.1	0.132 969	262	11 47.5
19	23 33 28.65	6 53.02	4 54 43.1	49 26.3	0.133 231	31	11 50.4
20	23 40 21.67	6 55.90	4 5 16.8	50 30.4	0.133 262	$\overline{216}$	11 53.4
21	23 47 17.57	6 58.81	3 14 46.4	51 31.6	0.133 046	481	11 56.4
22	23 54 16.38	7 1.77	2 23 14.8	52 29.7	0.132 565	763	11 59.5
23	0 1 18.15		− 1 30 45.1		0.131 802		12 2.6

Tag	0h Welt-Zeit: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1937	h m s	m s	° ′ ″	′ ″			h m
März 23	0 1 18.15	7 4.72	− 1 30 45.1	53 24.0	0.131 802	1 062	12 2.6
24	0 8 22.87	7 7.62	− 0 37 21.1	54 14.0	0.130 740	1 385	12 5.8
25	0 15 30.49	7 10.43	+ 0 16 52.9	54 58.8	0.129 355	1 728	12 9.0
26	0 22 40.92	7 13.09	1 11 51.7	55 37.7	0.127 627	2 095	12 12.3
27	0 29 54.01	7 15.49	2 7 29.4	56 9.5	0.125 532	2 484	12 15.6
28	0 37 9.50	7 17.60	3 3 38.9	56 33.8	0.123 048	2 898	12 18.9
29	0 44 27.10	7 19.33	+ 4 0 12.7	56 49.2	0.120 150	3 335	12 22.3
30	0 51 46.43	7 20.51	4 57 1.9	56 54.8	0.116 815	3 795	12 25.7
31	0 59 6.94	7 21.08	5 53 56.7	56 49.6	0.113 020	4 277	12 29.1
April 1	1 6 28.02	7 20.92	6 50 46.3	56 32.6	0.108 743	4 777	12 32.5
2	1 13 48.94	7 19.90	7 47 18.9	56 3.5	0.103 966	5 295	12 35.9
3	1 21 8.84	7 17.91	8 43 22.4	55 21.0	0.098 671	5 822	12 39.3
4	1 28 26.75	7 14.85	+ 9 38 43.4	54 25.1	0.092 849	6 359	12 42.6
5	1 35 41.60	7 10.65	10 33 8.5	53 15.7	0.086 490	6 897	12 45.9
6	1 42 52.25	7 5.18	11 26 24.2	51 52.9	0.079 593	7 433	12 49.1
7	1 49 57.43	6 58.45	12 18 17.1	50 17.3	0.072 160	7 958	12 52.2
8	1 56 55.88	6 50.41	13 8 34.4	48 29.5	0.064 202	8 472	12 55.2
9	2 3 46.29	6 41.07	13 57 3.9	46 30.5	0.055 730	8 963	12 58.0
10	2 10 27.36	6 30.42	+14 43 34.4	44 21.5	0.046 767	9 430	13 0.7
11	2 16 57.78	6 18.53	15 27 55.9	42 3.9	0.037 337	9 869	13 3.1
12	2 23 16.31	6 5.42	16 9 59.8	39 39.1	0.027 468	10 275	13 5.4
13	2 29 21.73	5 51.19	16 49 38.9	37 7.9	0.017 193	10 644	13 7.4
14	2 35 12.92	5 35.87	17 26 46.8	34 32.2	0.006 549	10 980	13 9.2
15	2 40 48.79	5 19.57	18 1 19.0	31 52.9	9.995 569	11 272	13 10.7
16	2 46 8.36	5 2.33	+18 33 11.9	29 10.8	9.984 297	11 526	13 11.9
17	2 51 10.69	4 44.24	19 2 22.7	26 27.1	9.972 771	11 737	13 12.9
18	2 55 54.93	4 25.36	19 28 49.8	23 42.1	9.961 034	11 908	13 13.5
19	3 0 20.29	4 5.78	19 52 31.9	20 56.6	9.949 126	12 034	13 13.8
20	3 4 26.07	3 45.54	20 13 28.5	18 11.2	9.937 092	12 115	13 13.7
21	3 8 11.61	3 24.72	20 31 39.7	15 25.6	9.924 977	12 153	13 13.3
22	3 11 36.33	3 3.43	+20 47 5.3	12 40.5	9.912 824	12 144	13 12.6
23	3 14 39.76	2 41.69	20 59 45.8	9 55.8	9.900 680	12 087	13 11.5
24	3 17 21.45	2 19.64	21 9 41.6	7 12.1	9.888 593	11 981	13 10.1
25	3 19 41.09	1 57.37	21 16 53.7	4 28.9	9.876 612	11 821	13 8.3
26	3 21 38.46	1 35.02	21 21 22.6	1 47.1	9.864 791	11 609	13 6.1
27	3 23 13.48	1 12.69	21 23 9.7	0 53.6	9.853 182	11 343	13 3.5
28	3 24 26.17	0 50.58	+21 22 16.1	3 32.2	9.841 839	11 015	13 0.6
29	3 25 16.75	0 28.83	21 18 43.9	6 8.5	9.830 824	10 630	12 57.3
30	3 25 45.58	0 7.67	21 12 35.4	8 41.5	9.820 194	10 183	12 53.7
Mai 1	3 25 53.25	0 12.71	21 3 53.9	11 10.3	9.810 011	9 673	12 49.7
2	3 25 40.54	0 32.07	20 52 43.6	13 33.8	9.800 338	9 102	12 45.4
3	3 25 8.47		+20 39 9.8		9.791 236		12 40.7

Tag	0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1937	h m s	m s	° ′ ″	′ ″			h m
Mai 3	3 25 8.47	0 50.21	+20 39 9.8	15 50.1	9.791 236	8 468	12 40.7
4	3 24 18.26	1 6.85	20 23 19.7	17 58.2	9.782 768	7 775	12 35.8
5	3 23 11.41	1 21.80	20 5 21.5	19 56.1	9.774 993	7 026	12 30.7
6	3 21 49.61	1 34.85	19 45 25.4	21 41.8	9.767 967	6 226	12 25.3
7	3 20 14.76	1 45.78	19 23 43.6	23 13.7	9.761 741	5 380	12 19.7
8	3 18 28.98	1 54.48	19 0 29.9	24 30.2	9.756 361	4 497	12 13.9
9	3 16 34.50	2 0.83	+18 35 59.7	25 29.3	9.751 864	3 585	12 8.0
10	3 14 33.67	2 4.79	18 10 30.4	26 9.9	9.748 279	2 654	12 2.0
11	3 12 28.88	2 6.29	17 44 20.5	26 31.3	9.745 625	1 713	11 56.0
12	3 10 22.59	2 5.41	17 17 49.2	26 33.0	9.743 912	773	11 50.0
13	3 8 17.18	2 2.24	16 51 16.2	26 14.6	9.743 139	$\overline{156}$	11 44.0
14	3 6 14.94	1 56.88	16 25 1.6	25 37.1	9.743 295	1 062	11 38.1
15	3 4 18.06	1 49.50	+15 59 24.5	24 40.9	9.744 357	1 939	11 32.3
16	3 2 28.56	1 40.30	15 34 43.6	23 27.7	9.746 296	2 778	11 26.6
17	3 0 48.26	1 29.48	15 11 15.9	21 59.0	9.749 074	3 573	11 21.1
18	2 59 18.78	1 17.27	14 49 16.9	20 16.8	9.752 647	4 316	11 15.8
19	2 58 1.51	1 3.87	14 29 0.1	18 23.0	9.756 963	5 008	11 10.7
20	2 56 57.64	0 49.55	14 10 37.1	16 19.9	9.761 971	5 643	11 5.8
21	2 56 8.09	0 34.44	+13 54 17.2	14 9.7	9.767 614	6 224	11 1.2
22	2 55 33.65	0 18.80	13 40 7.5	11 54.0	9.773 838	6 746	10 56.8
23	2 55 14.85	0 2.75	13 28 13.5	9 34.9	9.780 584	7 215	10 52.7
24	2 55 12.10	$\overline{0\ 13.52}$	13 18 38.6	7 14.3	9.787 799	7 630	10 48.8
25	2 55 25.62	0 29.94	13 11 24.3	4 53.5	9.795 429	7 998	10 45.2
26	2 55 55.56	0 46.34	13 6 30.8	2 33.8	9.803 427	8 317	10 41.9
27	2 56 41.90	1 2.68	+13 3 57.0	0 16.5	9.811 744	8 591	10 38.9
28	2 57 44.58	1 18.89	13 3 40.5	$\overline{1\ 57.6}$	9.820 335	8 826	10 36.1
29	2 59 3.47	1 34.91	13 5 38.1	4 7.7	9.829 161	9 023	10 33.6
30	3 0 38.38	1 50.72	13 9 45.8	6 13.0	9.838 184	9 187	10 31.3
31	3 2 29.10	2 6.28	13 15 58.8	8 13.6	9.847 371	9 320	10 29.3
Juni 1	3 4 35.38	2 21.61	13 24 12.4	10 8.4	9.856 691	9 424	10 27.6
2	3 6 56.99	2 36.70	+13 34 20.8	11 57.6	9.866 115	9 504	10 26.2
3	3 9 33.69	2 51.56	13 46 18.4	13 40.6	9.875 619	9 559	10 25.0
4	3 12 25.25	3 6.19	13 59 59.0	15 17.8	9.885 178	9 596	10 24.0
5	3 15 31.44	3 20.67	14 15 16.8	16 48.5	9.894 774	9 611	10 23.2
6	3 18 52.11	3 34.95	14 32 5.3	18 13.1	9.904 385	9 610	10 22.7
7	3 22 27.06	3 49.09	14 50 18.4	19 31.2	9.913 995	9 593	10 22.5
8	3 26 16.15	4 3.15	+15 9 49.6	20 42.7	9.923 588	9 561	10 22.5
9	3 30 19.30	4 17.13	15 30 32.3	21 47.9	9.933 149	9 515	10 22.7
10	3 34 36.43	4 31.08	15 52 20.2	22 46.4	9.942 664	9 455	10 23.1
11	3 39 7.51	4 45.02	16 15 6.6	23 38.1	9.952 119	9 382	10 23.8
12	3 43 52.53	4 59.00	16 38 44.7	24 23.0	9.961 501	9 294	10 24.7
13	3 48 51.53		+17 3 7.7		9.970 795		10 25.8

Tag	0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1937	h m s	m s	° ′ ″	′ ″			h m
Juni 13	3 48 51.53	5 13.03	+17 3 7.7	25 0.7	9.970 795	9 195	10 25.8
14	3 54 4.56	5 27.15	17 28 8.4	25 31.2	9.979 990	9 081	10 27.2
15	3 59 31.71	5 41.37	17 53 39.6	25 54.1	9.989 071	8 953	10 28.8
16	4 5 13.08	5 55.71	18 19 33.7	26 9.1	9.998 024	8 810	10 30.7
17	4 11 8.79	6 10.16	18 45 42.8	26 15.7	0.006 834	8 650	10 32.8
18	4 17 18.95	6 24.75	19 11 58.5	26 13.7	0.015 484	8 475	10 35.1
19	4 23 43.70	6 39.41	+19 38 12.2	26 2.7	0.023 959	8 279	10 37.7
20	4 30 23.11	6 54.15	20 4 14.9	25 41.8	0.032 238	8 065	10 40.5
21	4 37 17.26	7 8.91	20 29 56.7	25 10.9	0.040 303	7 830	10 43.6
22	4 44 26.17	7 23.63	20 55 7.6	24 29.4	0.048 133	7 573	10 46.9
23	4 51 49.80	7 38.20	21 19 37.0	23 36.7	0.055 706	7 292	10 50.5
24	4 59 28.00	7 52.55	21 43 13.7	22 32.4	0.062 998	6 989	10 54.3
25	5 7 20.55	8 6.53	+22 5 46.1	21 16.3	0.069 987	6 658	10 58.3
26	5 15 27.08	8 20.03	22 27 2.4	19 48.3	0.076 645	6 305	11 2.6
27	5 23 47.11	8 32.84	22 46 50.7	18 7.8	0.082 950	5 924	11 7.2
28	5 32 19.95	8 44.79	23 4 58.5	16 15.7	0.088 874	5 522	11 11.9
29	5 41 4.74	8 55.76	23 21 14.2	14 12.1	0.094 396	5 098	11 16.8
30	5 50 0.50	9 5.47	23 35 26.3	11 57.8	0.099 494	4 653	11 21.9
Juli 1	5 59 5.97	9 13.82	+23 47 24.1	9 33.8	0.104 147	4 191	11 27.1
2	6 8 19.79	9 20.69	23 56 57.9	7 1.8	0.108 338	3 716	11 32.5
3	6 17 40.48	9 25.90	24 3 59.7	4 22.7	0.112 054	3 234	11 37.9
4	6 27 6.38	9 29.39	24 8 22.4	1 38.9	0.115 288	2 745	11 43.5
5	6 36 35.77	9 31.15	24 10 1.3	1 7.9	0.118 033	2 261	11 49.1
6	6 46 6.92	9 31.17	24 8 53.4	3 56.0	0.120 294	1 778	11 54.7
7	6 55 38.09	9 29.52	+24 4 57.4	6 43.1	0.122 072	1 307	12 0.2
8	7 5 7.61	9 26.26	23 58 14.3	9 27.6	0.123 379	850	12 5.8
9	7 14 33.87	9 21.57	23 48 46.7	12 8.1	0.124 229	409	12 11.3
10	7 23 55.44	9 15.56	23 36 38.6	14 42.7	0.124 638	12	12 16.7
11	7 33 11.00	9 8.40	23 21 55.9	17 10.9	0.124 626	412	12 21.9
12	7 42 19.40	9 0.27	23 4 45.0	19 31.5	0.124 214	790	12 27.1
13	7 51 19.67	8 51.35	+22 45 13.5	21 43.9	0.123 424	1 145	12 32.1
14	8 0 11.02	8 41.77	22 23 29.6	23 47.7	0.122 279	1 476	12 36.9
15	8 8 52.79	8 31.71	21 59 41.9	25 43.0	0.120 803	1 786	12 41.6
16	8 17 24.50	8 21.28	21 33 58.9	27 29.3	0.119 017	2 074	12 46.1
17	8 25 45.78	8 10.61	21 6 29.6	29 7.1	0.116 943	2 342	12 50.4
18	8 33 56.39	7 59.80	20 37 22.5	30 36.7	0.114 601	2 592	12 54.6
19	8 41 56.19	7 48.94	+20 6 45.8	31 57.8	0.112 009	2 823	12 58.6
20	8 49 45.13	7 38.12	19 34 48.0	33 11.3	0.109 186	3 038	13 2.4
21	8 57 23.25	7 27.35	19 1 36.7	34 17.4	0.106 148	3 239	13 6.0
22	9 4 50.60	7 16.70	18 27 19.3	35 16.4	0.102 909	3 428	13 9.4
23	9 12 7.30	7 6.23	17 52 2.9	36 8.6	0.099 481	3 603	13 12.6
24	9 19 13.53		+17 15 54.3		0.095 878		13 15.7

Tag		0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1937		h m s	m s	° ′ ″	′ ″			h m
Juli	24	9 19 13.53	6 55.93	+17 15 54.3	36 54.6	0.095 878	3 769	13 15.7
	25	9 26 9.46	6 45.82	16 38 59.7	37 34.5	0.092 109	3 927	13 18.6
	26	9 32 55.28	6 35.91	16 1 25.2	38 9.1	0.088 182	4 077	13 21.3
	27	9 39 31.19	6 26.24	15 23 16.1	38 38.1	0.084 105	4 218	13 23.9
	28	9 45 57.43	6 16.75	14 44 38.0	39 2.3	0.079 887	4 356	13 26.3
	29	9 52 14.18	6 7.47	14 5 35.7	39 21.5	0.075 531	4 487	13 28.6
	30	9 58 21.65	5 58.38	+13 26 14.2	39 36.4	0.071 044	4 616	13 30.7
	31	10 4 20.03	5 49.47	12 46 37.8	39 46.9	0.066 428	4 742	13 32.6
Aug.	1	10 10 9.50	5 40.73	12 6 50.9	39 53.3	0.061 686	4 864	13 34.4
	2	10 15 50.23	5 32.12	11 26 57.6	39 55.5	0.056 822	4 987	13 36.1
	3	10 21 22.35	5 23.64	10 47 2.1	39 54.2	0.051 835	5 108	13 37.6
	4	10 26 45.99	5 15.27	10 7 7.9	39 48.9	0.046 727	5 227	13 39.0
	5	10 32 1.26	5 6.96	+ 9 27 19.0	39 39.9	0.041 500	5 348	13 40.2
	6	10 37 8.22	4 58.73	8 47 39.1	39 27.4	0.036 152	5 468	13 41.3
	7	10 42 6.95	4 50.49	8 8 11.7	39 11.3	0.030 684	5 590	13 42.3
	8	10 46 57.44	4 42.27	7 29 0.4	38 51.5	0.025 094	5 712	13 43.1
	9	10 51 39.71	4 34.00	6 50 8.9	38 28.0	0.019 382	5 836	13 43.8
	10	10 56 13.71	4 25.68	6 11 40.9	38 1.0	0.013 546	5 960	13 44.3
	11	11 0 39.39	4 17.25	+ 5 33 39.9	37 30.3	0.007 586	6 086	13 44.7
	12	11 4 56.64	4 8.68	4 56 9.6	36 55.6	0.001 500	6 214	13 45.0
	13	11 9 5.32	3 59.96	4 19 14.0	36 17.0	9.995 286	6 342	13 45.1
	14	11 13 5.28	3 51.01	3 42 57.0	35 34.2	9.988 944	6 472	13 45.1
	15	11 16 56.29	3 41.82	3 7 22.8	34 47.2	9.982 472	6 602	13 44.9
	16	11 20 38.11	3 32.32	2 32 35.6	33 55.4	9.975 870	6 732	13 44.6
	17	11 24 10.43	3 22.49	+ 1 58 40.2	32 58.9	9.969 138	6 863	13 44.1
	18	11 27 32.92	3 12.28	1 25 41.3	31 57.3	9.962 275	6 991	13 43.4
	19	11 30 45.20	3 1.60	0 53 44.0	30 50.1	9.955 284	7 119	13 42.6
	20	11 33 46.80	2 50.44	+ 0 22 53.9	29 37.0	9.948 165	7 241	13 41.5
	21	11 36 37.24	2 38.73	− 0 6 43.1	28 17.6	9.940 924	7 360	13 40.3
	22	11 39 15.97	2 26.44	0 35 0.7	26 51.3	9.933 564	7 471	13 38.9
	23	11 41 42.41	2 13.47	− 1 1 52.0	25 17.7	9.926 093	7 572	13 37.3
	24	11 43 55.88	1 59.81	1 27 9.7	23 36.1	9.918 521	7 662	13 35.5
	25	11 45 55.69	1 45.39	1 50 45.8	21 45.9	9.910 859	7 736	13 33.4
	26	11 47 41.08	1 30.16	2 12 31.7	19 46.5	9.903 123	7 793	13 31.0
	27	11 49 11.24	1 14.10	2 32 18.2	17 37.5	9.895 330	7 824	13 28.4
	28	11 50 25.34	0 57.19	2 49 55.7	15 17.7	9.887 506	7 827	13 25.6
	29	11 51 22.53	0 39.40	− 3 5 13.4	12 47.1	9.879 679	7 796	13 22.5
	30	11 52 1.93	0 20.75	3 18 0.5	10 4.8	9.871 883	7 721	13 19.0
	31	11 52 22.68	0 1.33	3 28 5.3	7 10.5	9.864 162	7 598	13 15.2
Sept.	1	11 52 24.01	0 18.84	3 35 15.8	4 4.4	9.856 564	7 416	13 11.1
	2	11 52 5.17	0 39.60	3 39 20.2	0 46.3	9.849 148	7 167	13 6.7
	3	11 51 25.57		− 3 40 6.5		9.841 981		13 1.9

Tag	0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1937	h m s	m s	° ′ ″	′ ″			h m
Sept. 3	11 51 25.57	1 0.76	−3 40 6.5	2 42.8	9.841 981	6 840	13 1.9
4	11 50 24.81	1 22.08	3 37 23.7	6 21.9	9.835 141	6 426	12 56.8
5	11 49 2.73	1 43.22	3 31 1.8	10 9.1	9.828 715	5 912	12 51.3
6	11 47 19.51	2 3.81	3 20 52.7	14 1.7	9.822 803	5 294	12 45.5
7	11 45 15.70	2 23.36	3 6 51.0	17 55.7	9.817 509	4 561	12 39.4
8	11 42 52.34	2 41.31	2 48 55.3	21 46.9	9.812 948	3 711	12 32.9
9	11 40 11.03	2 57.10	−2 27 8.4	25 29.9	9.809 237	2 740	12 26.2
10	11 37 13.93	3 10.09	2 1 38.5	28 57.8	9.806 497	1 656	12 19.2
11	11 34 3.84	3 19.64	1 32 40.7	32 4.0	9.804 841	464	12 12.0
12	11 30 44.20	3 25.16	1 0 36.7	34 41.8	9.804 377	817	12 4.7
13	11 27 19.04	3 26.21	−0 25 54.9	36 44.3	9.805 194	2 166	11 57.4
14	11 23 52.83	3 22.40	+0 10 49.4	38 5.9	9.807 360	3 559	11 50.0
15	11 20 30.43	3 13.53	+0 48 55.3	38 42.1	9.810 919	4 962	11 42.8
16	11 17 16.90	2 59.58	1 27 37.4	38 30.6	9.815 881	6 346	11 35.8
17	11 14 17.32	2 40.80	2 6 8.0	37 30.6	9.822 227	7 674	11 29.0
18	11 11 36.52	2 17.53	2 43 38.6	35 43.9	9.829 901	8 916	11 22.6
19	11 9 18.99	1 50.33	3 19 22.5	33 13.4	9.838 817	10 045	11 16.6
20	11 7 28.66	1 19.88	3 52 35.9	30 4.2	9.848 862	11 040	11 11.1
21	11 6 8.78	0 46.92	+4 22 40.1	26 22.1	9.859 902	11 885	11 6.1
22	11 5 21.86	0 12.26	4 49 2.2	22 13.1	9.871 787	12 567	11 1.6
23	11 5 9.60	0 23.29	5 11 15.3	17 44.5	9.884 354	13 087	10 57.8
24	11 5 32.89	0 59.01	5 28 59.8	13 2.2	9.897 441	13 444	10 54.5
25	11 6 31.90	1 34.18	5 42 2.0	8 12.7	9.910 885	13 647	10 51.8
26	11 8 6.08	2 8.23	5 50 14.7	3 21.3	9.924 532	13 702	10 49.7
27	11 10 14.31	2 40.60	+5 53 36.0	1 26.8	9.938 234	13 628	10 48.1
28	11 12 54.91	3 10.92	5 52 9.2	6 7.3	9.951 862	13 434	10 47.1
29	11 16 5.83	3 38.87	5 46 1.9	10 36.7	9.965 296	13 140	10 46.6
30	11 19 44.70	4 4.28	5 35 25.2	14 51.9	9.978 436	12 760	10 46.6
Okt. 1	11 23 48.98	4 27.05	5 20 33.3	18 50.5	9.991 196	12 314	10 46.8
2	11 28 16.03	4 47.12	5 1 42.8	22 31.1	0.003 510	11 811	10 47.5
3	11 33 3.15	5 4.61	+4 39 11.7	25 52.6	0.015 321	11 273	10 48.4
4	11 38 7.76	5 19.60	4 13 19.1	28 54.2	0.026 594	10 710	10 49.7
5	11 43 27.36	5 32.28	3 44 24.9	31 36.2	0.037 304	10 132	10 51.2
6	11 48 59.64	5 42.85	3 12 48.7	33 59.1	0.047 436	9 550	10 52.8
7	11 54 42.49	5 51.49	2 38 49.6	36 3.2	0.056 986	8 973	10 54.7
8	12 0 33.98	5 58.45	2 2 46.4	37 49.8	0.065 959	8 409	10 56.6
9	12 6 32.43	6 3.95	+1 24 56.6	39 20.1	0.074 368	7 858	10 58.7
10	12 12 36.38	6 8.20	0 45 36.5	40 35.0	0.082 226	7 328	11 0.9
11	12 18 44.58	6 11.38	+0 5 1.5	41 36.3	0.089 554	6 819	11 3.1
12	12 24 55.96	6 13.66	−0 36 34.8	42 25.0	0.096 373	6 334	11 5.4
13	12 31 9.62	6 15.24	1 18 59.8	43 2.1	0.102 707	5 873	11 7.7
14	12 37 24.86		−2 2 1.9		0.108 580		11 10.0

Tag	0h Welt-Zeit: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1937	h m s	m s	° ′ ″	′ ″			h m
Okt. 14	12 37 24.86	6 16.22	− 2 2 1.9	43 29.2	0.108 580	5 435	11 10.0
15	12 43 41.08	6 16.72	2 45 31.1	43 47.2	0.114 015	5 023	11 12.3
16	12 49 57.80	6 16.89	3 29 18.3	43 57.4	0.119 038	4 631	11 14.7
17	12 56 14.69	6 16.77	4 13 15.7	44 0.1	0.123 669	4 262	11 17.0
18	13 2 31.46	6 16.47	4 57 15.8	43 56.8	0.127 931	3 914	11 19.4
19	13 8 47.93	6 16.02	5 41 12.6	43 47.5	0.131 845	3 585	11 21.7
20	13 15 3.95	6 15.51	− 6 25 0.1	43 33.5	0.135 430	3 273	11 24.0
21	13 21 19.46	6 14.95	7 8 33.6	43 15.1	0.138 703	2 979	11 26.3
22	13 27 34.41	6 14.41	7 51 48.7	42 52.9	0.141 682	2 700	11 28.6
23	13 33 48.82	6 13.88	8 34 41.6	42 27.1	0.144 382	2 435	11 30.9
24	13 40 2.70	6 13.41	9 17 8.7	41 58.2	0.146 817	2 182	11 33.2
25	13 46 16.11	6 13.00	9 59 6.9	41 26.3	0.148 999	1 942	11 35.5
26	13 52 29.11	6 12.66	−10 40 33.2	40 52.1	0.150 941	1 711	11 37.8
27	13 58 41.77	6 12.43	11 21 25.3	40 15.6	0.152 652	1 490	11 40.1
28	14 4 54.20	6 12.29	12 1 40.9	39 37.0	0.154 142	1 278	11 42.3
29	14 11 6.49	6 12.24	12 41 17.9	38 56.3	0.155 420	1 073	11 44.6
30	14 17 18.73	6 12.31	13 20 14.2	38 13.9	0.156 493	875	11 46.9
31	14 23 31.04	6 12.49	13 58 28.1	37 29.8	0.157 368	683	11 49.1
Nov. 1	14 29 43.53	6 12.75	−14 35 57.9	36 44.1	0.158 051	495	11 51.4
2	14 35 56.28	6 13.11	15 12 42.0	35 57.0	0.158 546	314	11 53.7
3	14 42 9.39	6 13.60	15 48 39.0	35 8.3	0.158 860	133	11 56.0
4	14 48 22.99	6 14.17	16 23 47.3	34 18.3	0.158 993	41	11 58.2
5	14 54 37.16	6 14.81	16 58 5.6	33 26.8	0.158 952	214	12 0.6
6	15 0 51.97	6 15.56	17 31 32.4	32 34.2	0.158 738	386	12 2.9
7	15 7 7.53	6 16.37	−18 4 6.6	31 40.2	0.158 352	555	12 5.2
8	15 13 23.90	6 17.26	18 35 46.8	30 44.8	0.157 797	724	12 7.5
9	15 19 41.16	6 18.20	19 6 31.6	29 48.2	0.157 073	893	12 9.9
10	15 25 59.36	6 19.20	19 36 19.8	28 50.2	0.156 180	1 063	12 12.3
11	15 32 18.56	6 20.24	20 5 10.0	27 50.9	0.155 117	1 231	12 14.7
12	15 38 38.80	6 21.31	20 33 0.9	26 50.4	0.153 886	1 403	12 17.1
13	15 45 0.11	6 22.38	−20 59 51.3	25 48.5	0.152 483	1 576	12 19.5
14	15 51 22.49	6 23.47	21 25 39.8	24 45.2	0.150 907	1 751	12 21.9
15	15 57 45.96	6 24.54	21 50 25.0	23 40.7	0.149 156	1 929	12 24.4
16	16 4 10.50	6 25.60	22 14 5.7	22 34.6	0.147 227	2 111	12 26.9
17	16 10 36.10	6 26.59	22 36 40.3	21 27.3	0.145 116	2 296	12 29.4
18	16 17 2.69	6 27.54	22 58 7.6	20 18.4	0.142 820	2 486	12 31.9
19	16 23 30.23	6 28.39	−23 18 26.0	19 8.3	0.140 334	2 681	12 34.4
20	16 29 58.62	6 29.14	23 37 34.3	17 56.7	0.137 653	2 883	12 37.0
21	16 36 27.76	6 29.74	23 55 31.0	16 43.7	0.134 770	3 090	12 39.5
22	16 42 57.50	6 30.20	24 12 14.7	15 29.1	0.131 680	3 305	12 42.1
23	16 49 27.70	6 30.47	24 27 43.8	14 13.2	0.128 375	3 528	12 44.6
24	16 55 58.17		−24 41 57.0		0.124 847		12 47.2

Tag	0h Welt-Zeit: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1937	h m s	m s	° ′ ″	′ ″			h m
Nov. 24	16 55 58.17	6 30.47	−24 41 57.0	12 56.0	0.124 847	3 760	12 47.2
25	17 2 28.64	6 30.23	24 54 53.0	11 37.3	0.121 087	4 000	12 49.8
26	17 8 58.87	6 29.67	25 6 30.3	10 17.4	0.117 087	4 251	12 52.3
27	17 15 28.54	6 28.75	25 16 47.7	8 56.0	0.112 836	4 514	12 54.9
28	17 21 57.29	6 27.39	25 25 43.7	7 33.7	0.108 322	4 787	12 57.4
29	17 28 24.68	6 25.58	25 33 17.4	6 10.1	0.103 535	5 073	12 59.9
30	17 34 50.26	6 23.20	−25 39 27.5	4 45.7	0.098 462	5 375	13 2.4
Dez. 1	17 41 13.46	6 20.20	25 44 13.2	3 20.4	0.093 087	5 688	13 4.8
2	17 47 33.66	6 16.51	25 47 33.6	1 54.5	0.087 399	6 017	13 7.2
3	17 53 50.17	6 11.99	25 49 28.1	0 28.2	0.081 382	6 362	13 9.5
4	18 0 2.16	6 6.55	25 49 56.3	0 58.1	0.075 020	6 724	13 11.7
5	18 6 8.71	6 0.08	25 48 58.2	2 24.4	0.068 296	7 101	13 13.8
6	18 12 8.79	5 52.44	−25 46 33.8	3 50.0	0.061 195	7 496	13 15.8
7	18 18 1.23	5 43.45	25 42 43.8	5 14.6	0.053 699	7 907	13 17.6
8	18 23 44.68	5 32.95	25 37 29.2	6 37.6	0.045 792	8 334	13 19.3
9	18 29 17.63	5 20.73	25 30 51.6	7 58.5	0.037 458	8 774	13 20.8
10	18 34 38.36	5 6.60	25 22 53.1	9 16.4	0.028 684	9 226	13 22.1
11	18 39 44.96	4 50.30	25 13 36.7	10 31.0	0.019 458	9 687	13 23.1
12	18 44 35.26	4 31.60	−25 3 5.7	11 40.8	0.009 771	10 151	13 23.9
13	18 49 6.86	4 10.19	24 51 24.9	12 45.4	9.999 620	10 611	13 24.2
14	18 53 17.05	3 45.85	24 38 39.5	13 43.6	9.989 009	11 058	13 24.2
15	18 57 2.90	3 18.28	24 24 55.9	14 34.6	9.977 951	11 480	13 23.8
16	19 0 21.18	2 47.27	24 10 21.3	15 17.0	9.966 471	11 861	13 22.9
17	19 3 8.45	2 12.65	23 55 4.3	15 50.5	9.954 610	12 182	13 21.5
18	19 5 21.10	1 34.32	−23 39 13.8	16 13.9	9.942 428	12 421	13 19.4
19	19 6 55.42	0 52.38	23 22 59.9	16 26.8	9.930 007	12 548	13 16.6
20	19 7 47.80	0 7.11	23 6 33.1	16 29.2	9.917 459	12 536	13 13.2
21	19 7 54.91	0 40.97	22 50 3.9	16 21.2	9.904 923	12 348	13 8.9
22	19 7 13.94	1 30.93	22 33 42.7	16 3.5	9.892 575	11 954	13 3.9
23	19 5 43.01	2 21.49	22 17 39.2	15 36.9	9.880 621	11 322	12 58.0
24	19 3 21.52	3 11.03	−22 2 2.3	15 2.6	9.869 299	10 430	12 51.2
25	19 0 10.49	3 57.48	21 46 59.7	14 21.5	9.858 869	9 267	12 43.7
26	18 56 13.01	4 38.67	21 32 38.2	13 34.9	9.849 602	7 844	12 35.5
27	18 51 34.34	5 12.37	21 19 3.3	12 41.9	9.841 758	6 184	12 26.6
28	18 46 21.97	5 36.65	21 6 21.4	11 42.7	9.835 574	4 341	12 17.3
29	18 40 45.32	5 50.08	20 54 38.7	10 35.9	9.831 233	2 381	12 7.7
30	18 34 55.24	5 52.04	−20 44 2.8	9 21.0	9.828 852	384	11 58.0
31	18 29 3.20	5 42.72	20 34 41.8	7 57.0	9.828 468	1 566	11 48.3
32	18 23 20.48		−20 26 44.8		9.830 034		11 38.8

Tag		0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1937		h m s	m s	° ′ ″	′ ″			h m
Jan.	0	21 43 22.75	4 29.42	−15 32 44.9	25 25.2	9.981 1273	3 1675	15 6.8
	1	21 47 52.17	4 27.71	15 7 19.7	25 46.4	9.977 9598	3 1988	15 7.3
	2	21 52 19.88	4 26.00	14 41 33.3	26 6.8	9.974 7610	3 2306	15 7.8
	3	21 56 45.88	4 24.32	14 15 26.5	26 26.6	9.971 5304	3 2628	15 8.3
	4	22 1 10.20	4 22.63	13 48 59.9	26 45.4	9.968 2676	3 2956	15 8.7
	5	22 5 32.83	4 20.98	13 22 14.5	27 3.6	9.964 9720	3 3289	15 9.1
	6	22 9 53.81	4 19.31	−12 55 10.9	27 20.8	9.961 6431	3 3629	15 9.5
	7	22 14 13.12	4 17.68	12 27 50.1	27 37.4	9.958 2802	3 3974	15 9.9
	8	22 18 30.80	4 16.04	12 0 12.7	27 53.1	9.954 8828	3 4326	15 10.2
	9	22 22 46.84	4 14.43	11 32 19.6	28 8.0	9.951 4502	3 4683	15 10.5
	10	22 27 1.27	4 12.82	11 4 11.6	28 22.1	9.947 9819	3 5046	15 10.8
	11	22 31 14.09	4 11.23	10 35 49.5	28 35.4	9.944 4773	3 5417	15 11.1
	12	22 35 25.32	4 9.65	−10 7 14.1	28 48.0	9.940 9356	3 5794	15 11.3
	13	22 39 34.97	4 8.06	9 38 26.1	28 59.7	9.937 3562	3 6177	15 11.5
	14	22 43 43.03	4 6.50	9 9 26.4	29 10.6	9.933 7385	3 6567	15 11.7
	15	22 47 49.53	4 4.94	8 40 15.8	29 20.8	9.930 0818	3 6963	15 11.8
	16	22 51 54.47	4 3.39	8 10 55.0	29 30.0	9.926 3855	3 7367	15 11.9
	17	22 55 57.86	4 1.83	7 41 25.0	29 38.5	9.922 6488	3 7775	15 12.0
	18	22 59 59.69	4 0.29	− 7 11 46.5	29 46.2	9.918 8713	3 8191	15 12.1
	19	23 3 59.98	3 58.75	6 42 0.3	29 53.1	9.915 0522	3 8612	15 12.2
	20	23 7 58.73	3 57.22	6 12 7.2	29 59.2	9.911 1910	3 9037	15 12.2
	21	23 11 55.95	3 55.68	5 42 8.0	30 4.5	9.907 2873	3 9468	15 12.2
	22	23 15 51.63	3 54.14	5 12 3.5	30 9.1	9.903 3405	3 9903	15 12.1
	23	23 19 45.77	3 52.61	4 41 54.4	30 12.9	9.899 3502	4 0343	15 12.1
	24	23 23 38.38	3 51.09	− 4 11 41.5	30 15.9	9.895 3159	4 0788	15 12.0
	25	23 27 29.47	3 49.57	3 41 25.6	30 18.3	9.891 2371	4 1237	15 11.9
	26	23 31 19.04	3 48.04	3 11 7.3	30 19.9	9.887 1134	4 1692	15 11.8
	27	23 35 7.08	3 46.53	2 40 47.4	30 20.8	9.882 9442	4 2152	15 11.6
	28	23 38 53.61	3 45.00	2 10 26.6	30 20.9	9.878 7290	4 2617	15 11.4
	29	23 42 38.61	3 43.49	1 40 5.7	30 20.4	9.874 4673	4 3090	15 11.2
	30	23 46 22.10	3 41.96	− 1 9 45.3	30 19.2	9.870 1583	4 3566	15 11.0
	31	23 50 4.06	3 40.44	0 39 26.1	30 17.2	9.865 8017	4 4051	15 10.7
Febr.	1	23 53 44.50	3 38.90	− 0 9 8.9	30 14.5	9.861 3966	4 4543	15 10.4
	2	23 57 23.40	3 37.36	+ 0 21 5.6	30 11.1	9.856 9423	4 5042	15 10.1
	3	0 1 0.76	3 35.81	0 51 16.7	30 7.0	9.852 4381	4 5548	15 9.8
	4	0 4 36.57	3 34.23	1 21 23.7	30 2.2	9.847 8833	4 6064	15 9.4
	5	0 8 10.80	3 32.65	+ 1 51 25.9	29 56.6	9.843 2769	4 6586	15 9.0
	6	0 11 43.45	3 31.04	2 21 22.5	29 50.4	9.838 6183	4 7117	15 8.6
	7	0 15 14.49	3 29.41	2 51 12.9	29 43.4	9.833 9066	4 7654	15 8.2
	8	0 18 43.90	3 27.75	3 20 56.3	29 35.7	9.829 1412	4 8202	15 7.7
	9	0 22 11.65	3 26.05	3 50 32.0	29 27.2	9.824 3210	4 8759	15 7.2
	10	0 25 37.70		+ 4 19 59.2		9.819 4451		15 6.7

Tag	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1937	h m s	m s	° ′ ″	′ ″			h m
Febr. 10	0 25 37.70	3 24.32	+ 4 19 59.2	29 18.0	9.819 4451	4 9324	15 6.7
11	0 29 2.02	3 22.53	4 49 17.2	29 8.0	9.814 5127	4 9901	15 6.1
12	0 32 24.55	3 20.71	5 18 25.2	28 57.3	9.809 5226	5 0483	15 5.5
13	0 35 45.26	3 18.83	5 47 22.5	28 45.7	9.804 4743	5 1075	15 4.9
14	0 39 4.09	3 16.89	6 16 8.2	28 33.4	9.799 3668	5 1672	15 4.3
15	0 42 20.98	3 14.88	6 44 41.6	28 20.3	9.794 1996	5 2278	15 3.6
16	0 45 35.86	3 12.81	+ 7 13 1.9	28 6.4	9.788 9718	5 2887	15 2.9
17	0 48 48.67	3 10.66	7 41 8.3	27 51.7	9.783 6831	5 3503	15 2.1
18	0 51 59.33	3 8.43	8 9 0.0	27 36.2	9.778 3328	5 4121	15 1.3
19	0 55 7.76	3 6.11	8 36 36.2	27 19.8	9.772 9207	5 4744	15 0.5
20	0 58 13.87	3 3.70	9 3 56.0	27 2.8	9.767 4463	5 5368	14 59.6
21	1 1 17.57	3 1.20	9 30 58.8	26 44.8	9.761 9095	5 5994	14 58.7
22	1 4 18.77	2 58.62	+ 9 57 43.6	26 26.1	9.756 3101	5 6620	14 57.8
23	1 7 17.39	2 55.91	10 24 9.7	26 6.4	9.750 6481	5 7248	14 56.8
24	1 10 13.30	2 53.10	10 50 16.1	25 46.2	9.744 9233	5 7873	14 55.8
25	1 13 6.40	2 50.19	11 16 2.3	25 24.8	9.739 1360	5 8497	14 54.7
26	1 15 56.59	2 47.16	11 41 27.1	25 2.8	9.733 2863	5 9119	14 53.5
27	1 18 43.75	2 43.99	12 6 29.9	24 39.9	9.727 3744	5 9738	14 52.3
28	1 21 27.74	2 40.70	+12 31 9.8	24 16.2	9.721 4006	6 0352	14 51.1
März 1	1 24 8.44	2 37.27	12 55 26.0	23 51.3	9.715 3654	6 0962	14 49.8
2	1 26 45.71	2 33.69	13 19 17.3	23 25.8	9.709 2692	6 1566	14 48.4
3	1 29 19.40	2 29.95	13 42 43.1	22 59.0	9.703 1126	6 2163	14 47.0
4	1 31 49.35	2 26.07	14 5 42.1	22 31.5	9.696 8963	6 2751	14 45.6
5	1 34 15.42	2 22.00	14 28 13.6	22 2.8	9.690 6212	6 3329	14 44.0
6	1 36 37.42	2 17.76	+14 50 16.4	21 33.0	9.684 2883	6 3893	14 42.4
7	1 38 55.18	2 13.33	15 11 49.4	21 2.1	9.677 8990	6 4444	14 40.7
8	1 41 8.51	2 8.71	15 32 51.5	20 30.1	9.671 4546	6 4976	14 38.9
9	1 43 17.22	2 3.88	15 53 21.6	19 56.8	9.664 9570	6 5491	14 37.1
10	1 45 21.10	1 58.85	16 13 18.4	19 22.2	9.658 4079	6 5984	14 35.2
11	1 47 19.95	1 53.58	16 32 40.6	18 46.3	9.651 8095	6 6450	14 33.2
12	1 49 13.53	1 48.07	+16 51 26.9	18 8.8	9.645 1645	6 6883	14 31.1
13	1 51 1.60	1 42.33	17 9 35.7	17 30.0	9.638 4762	6 7284	14 28.9
14	1 52 43.93	1 36.34	17 27 5.7	16 49.5	9.631 7478	6 7645	14 26.6
15	1 54 20.27	1 30.08	17 43 55.2	16 7.2	9.624 9833	6 7962	14 24.2
16	1 55 50.35	1 23.56	18 0 2.4	15 23.2	9.618 1871	6 8225	14 21.7
17	1 57 13.91	1 16.77	18 15 25.6	14 37.3	9.611 3646	6 8424	14 19.1
18	1 58 30.68	1 9.71	+18 30 2.9	13 49.5	9.604 5222	6 8557	14 16.3
19	1 59 40.39	1 2.38	18 43 52.4	12 59.6	9.597 6665	6 8615	14 13.5
20	2 0 42.77	0 54.79	18 56 52.0	12 7.6	9.590 8050	6 8589	14 10.5
21	2 1 37.56	0 46.97	19 8 59.6	11 13.3	9.583 9461	6 8467	14 7.4
22	2 2 24.53	0 38.89	19 20 12.9	10 16.6	9.577 0994	6 8240	14 4.2
23	2 3 3.42		+19 30 29.5		9.570 2754		14 0.8

Tag	0h Welt-Zeit: Scheinbare Rektaszension		0h Welt-Zeit: Scheinbare Deklination		0h Welt-Zeit: log Δ		Obere Kulmination in Greenwich
1937	h m s	m s	° ′ ″	′ ″			h m
März 23	2 3 3.42	0 30.58	+19 30 29.5	9 17.8	9.570 2754	6 7907	14 0.8
24	2 3 34.00	0 22.06	19 39 47.3	8 16.4	9.563 4847	6 7452	13 57.3
25	2 3 56.06	0 13.37	19 48 3.7	7 12.5	9.556 7395	6 6862	13 53.7
26	2 4 9.43	0 4.51	19 55 16.2	6 5.9	9.550 0533	6 6129	13 49.9
27	2 4 13.94	0 4.48	20 1 22.1	4 56.9	9.543 4404	6 5247	13 45.9
28	2 4 9.46	0 13.55	20 6 19.0	3 45.4	9.536 9157	6 4204	13 41.8
29	2 3 55.91	0 22.71	+20 10 4.4	2 31.2	9.530 4953	6 2990	13 37.6
30	2 3 33.20	0 31.86	20 12 35.6	1 14.5	9.524 1963	6 1595	13 33.2
31	2 3 1.34	0 41.00	20 13 50.1	0 4.5	9.518 0368	6 0009	13 28.6
April 1	2 2 20.34	0 50.04	20 13 45.6	1 25.8	9.512 0359	5 8223	13 23.9
2	2 1 30.30	0 58.92	20 12 19.8	2 49.0	9.506 2136	5 6235	13 19.1
3	2 0 31.38	1 7.60	20 9 30.8	4 14.0	9.500 5901	5 4035	13 14.1
4	1 59 23.78	1 16.02	+20 5 16.8	5 40.5	9.495 1866	5 1615	13 9.0
5	1 58 7.76	1 24.09	19 59 36.3	7 8.0	9.490 0251	4 8974	13 3.7
6	1 56 43.67	1 31.76	19 52 28.3	8 36.1	9.485 1277	4 6116	12 58.3
7	1 55 11.91	1 38.95	19 43 52.2	10 4.2	9.480 5161	4 3039	12 52.8
8	1 53 32.96	1 45.60	19 33 48.0	11 31.8	9.476 2122	3 9748	12 47.2
9	1 51 47.36	1 51.65	19 22 16.2	12 58.2	9.472 2374	3 6247	12 41.5
10	1 49 55.71	1 57.02	+19 9 18.0	14 22.9	9.468 6127	3 2548	12 35.6
11	1 47 58.69	2 1.69	18 54 55.1	15 45.0	9.465 3579	2 8661	12 29.7
12	1 45 57.00	2 5.55	18 39 10.1	17 3.8	9.462 4918	2 4597	12 23.7
13	1 43 51.45	2 8.61	18 22 6.3	18 18.5	9.460 0321	2 0377	12 17.7
14	1 41 42.84	2 10.81	18 3 47.8	19 28.3	9.457 9944	1 6019	12 11.6
15	1 39 32.03	2 12.13	17 44 19.5	20 32.5	9.456 3925	1 1546	12 5.5
16	1 37 19.90	2 12.52	+17 23 47.0	21 30.5	9.455 2379	6985	11 59.4
17	1 35 7.38	2 11.99	17 2 16.5	22 21.4	9.454 5394	2361	11 53.3
18	1 32 55.39	2 10.55	16 39 55.1	23 4.7	9.454 3033	2291	11 47.2
19	1 30 44.84	2 8.22	16 16 50.4	23 40.0	9.454 5324	6944	11 41.1
20	1 28 36.62	2 5.00	15 53 10.4	24 7.2	9.455 2268	1 1570	11 35.1
21	1 26 31.62	2 0.94	15 29 3.2	24 25.9	9.456 3838	1 6133	11 29.1
22	1 24 30.68	1 56.11	+15 4 37.3	24 35.6	9.457 9971	2 0598	11 23.2
23	1 22 34.57	1 50.56	14 40 1.7	24 36.9	9.460 0569	2 4943	11 17.4
24	1 20 44.01	1 44.34	14 15 24.8	24 30.1	9.462 5512	2 9146	11 11.7
25	1 18 59.67	1 37.53	13 50 54.7	24 15.1	9.465 4658	3 3184	11 6.1
26	1 17 22.14	1 30.19	13 26 39.6	23 52.4	9.468 7842	3 7036	11 0.6
27	1 15 51.95	1 22.41	13 2 47.2	23 22.4	9.472 4878	4 0686	10 55.2
28	1 14 29.54	1 14.26	+12 39 24.8	22 46.0	9.476 5564	4 4120	10 50.0
29	1 13 15.28	1 5.81	12 16 38.8	22 3.7	9.480 9684	4 7331	10 44.9
30	1 12 9.47	0 57.13	11 54 35.1	21 16.1	9.485 7015	5 0315	10 39.9
Mai 1	1 11 12.34	0 48.27	11 33 19.0	20 23.6	9.490 7330	5 3067	10 35.1
2	1 10 24.07	0 39.31	11 12 55.4	19 27.2	9.496 0397	5 5590	10 30.4
3	1 9 44.76		+10 53 28.2		9.501 5987		10 25.9

Tag	0ʰ Welt-Zeit: Scheinbare Rektaszension		0ʰ Welt-Zeit: Scheinbare Deklination		0ʰ Welt-Zeit: log Δ		Obere Kulmination in Greenwich
1937	h m s	m s	° ′ ″	′ ″			h m
Mai 3	1 9 44.76	0 30.30	+10 53 28.2	18 27.1	9.501 5987	5 7885	10 25.9
4	1 9 14.46	0 21.30	10 35 1.1	17 24.4	9.507 3872	5 9956	10 21.5
5	1 8 53.16	0 12.34	10 17 36.7	16 19.7	9.513 3828	6 1811	10 17.3
6	1 8 40.82	0 3.47	10 1 17.0	15 13.3	9.519 5639	6 3456	10 13.2
7	1 8 37.35	0 5.27	9 46 3.7	14 5.9	9.525 9095	6 4904	10 9.3
8	1 8 42.62	0 13.86	9 31 57.8	12 57.7	9.532 3999	6 6167	10 5.5
9	1 8 56.48	0 22.26	+ 9 19 0.1	11 49.2	9.539 0166	6 7256	10 1.9
10	1 9 18.74	0 30.48	9 7 10.9	10 40.9	9.545 7422	6 8180	9 58.4
11	1 9 49.22	0 38.49	8 56 30.0	9 33.0	9.552 5602	6 8954	9 55.0
12	1 10 27.71	0 46.26	8 46 57.0	8 25.9	9.559 4556	6 9588	9 51.8
13	1 11 13.97	0 53.80	8 38 31.1	7 19.6	9.566 4144	7 0094	9 48.6
14	1 12 7.77	1 1.15	8 31 11.5	6 14.5	9.573 4238	7 0481	9 45.7
15	1 13 8.92	1 8.27	+ 8 24 57.0	5 10.6	9.580 4719	7 0759	9 42.8
16	1 14 17.19	1 15.16	8 19 46.4	4 8.0	9.587 5478	7 0940	9 40.0
17	1 15 32.35	1 21.82	8 15 38.4	3 7.0	9.594 6418	7 1030	9 37.4
18	1 16 54.17	1 28.27	8 12 31.4	2 7.4	9.601 7448	7 1032	9 34.9
19	1 18 22.44	1 34.51	8 10 24.0	1 9.6	9.608 8480	7 0956	9 32.4
20	1 19 56.95	1 40.54	8 9 14.4	0 13.4	9.615 9436	7 0807	9 30.1
21	1 21 37.49	1 46.35	+ 8 9 1.0	0 40.8	9.623 0243	7 0593	9 27.9
22	1 23 23.84	1 51.96	8 9 41.8	1 33.3	9.630 0836	7 0328	9 25.8
23	1 25 15.80	1 57.39	8 11 15.1	2 23.8	9.637 1164	7 0009	9 23.7
24	1 27 13.19	2 2.62	8 13 38.9	3 12.6	9.644 1173	6 9639	9 21.8
25	1 29 15.81	2 7.67	8 16 51.5	3 59.7	9.651 0812	6 9222	9 19.9
26	1 31 23.48	2 12.54	8 20 51.2	4 44.6	9.658 0034	6 8772	9 18.1
27	1 33 36.02	2 17.23	+ 8 25 35.8	5 27.8	9.664 8806	6 8284	9 16.4
28	1 35 53.25	2 21.78	8 31 3.6	6 9.1	9.671 7090	6 7768	9 14.8
29	1 38 15.03	2 26.14	8 37 12.7	6 48.4	9.678 4858	6 7225	9 13.3
30	1 40 41.17	2 30.37	8 44 1.1	7 26.2	9.685 2083	6 6657	9 11.8
31	1 43 11.54	2 34.44	8 51 27.3	8 2.1	9.691 8740	6 6069	9 10.4
Juni 1	1 45 45.98	2 38.37	8 59 29.4	8 36.2	9.698 4809	6 5464	9 9.0
2	1 48 24.35	2 42.17	+ 9 8 5.6	9 8.5	9.705 0273	6 4843	9 7.7
3	1 51 6.52	2 45.82	9 17 14.1	9 39.1	9.711 5116	6 4209	9 6.5
4	1 53 52.34	2 49.36	9 26 53.2	10 8.0	9.717 9325	6 3564	9 5.4
5	1 56 41.70	2 52.77	9 37 1.2	10 35.2	9.724 2889	6 2914	9 4.3
6	1 59 34.47	2 56.07	9 47 36.4	11 0.9	9.730 5803	6 2259	9 3.2
7	2 2 30.54	2 59.26	9 58 37.3	11 25.0	9.736 8062	6 1600	9 2.2
8	2 5 29.80	3 2.34	+10 10 2.3	11 47.4	9.742 9662	6 0940	9 1.3
9	2 8 32.14	3 5.33	10 21 49.7	12 8.6	9.749 0602	6 0281	9 0.4
10	2 11 37.47	3 8.23	10 33 58.3	12 28.1	9.755 0883	5 9625	8 59.6
11	2 14 45.70	3 11.05	10 46 26.4	12 46.2	9.761 0508	5 8974	8 58.8
12	2 17 56.75	3 13.79	10 59 12.6	13 3.1	9.766 9482	5 8324	8 58.1
13	2 21 10.54		+11 12 15.7		9.772 7806		8 57.4

Tag	0h Welt-Zeit Scheinbare Rektaszension	Diff.	Scheinbare Deklination	Diff.	log Δ	Diff.	Obere Kulmination in Greenwich
1937	h m s	m s	° ′ ″	′ ″			h m
Juni 13	2 21 10.54	3 16.47	+11 12 15.7	13 18.5	9.772 7806	5 7681	8 57.4
14	2 24 27.01	3 19.08	11 25 34.2	13 32.7	9.778 5487	5 7041	8 56.7
15	2 27 46.09	3 21.63	11 39 6.9	13 45.6	9.784 2528	5 6408	8 56.1
16	2 31 7.72	3 24.14	11 52 52.5	13 57.3	9.789 8936	5 5779	8 55.5
17	2 34 31.86	3 26.59	12 6 49.8	14 7.6	9.795 4715	5 5155	8 55.0
18	2 37 58.45	3 28.99	12 20 57.4	14 16.9	9.800 9870	5 4537	8 54.5
19	2 41 27.44	3 31.36	+12 35 14.3	14 24.9	9.806 4407	5 3924	8 54.1
20	2 44 58.80	3 33.69	12 49 39.2	14 31.7	9.811 8331	5 3315	8 53.7
21	2 48 32.49	3 35.97	13 4 10.9	14 37.3	9.817 1646	5 2712	8 53.3
22	2 52 8.46	3 38.22	13 18 48.2	14 41.9	9.822 4358	5 2114	8 53.0
23	2 55 46.68	3 40.43	13 33 30.1	14 45.3	9.827 6472	5 1522	8 52.7
24	2 59 27.11	3 42.61	13 48 15.4	14 47.5	9.832 7994	5 0934	8 52.4
25	3 3 9.72	3 44.76	+14 3 2.9	14 48.7	9.837 8928	5 0351	8 52.2
26	3 6 54.48	3 46.88	14 17 51.6	14 48.9	9.842 9279	4 9774	8 52.0
27	3 10 41.36	3 48.96	14 32 40.5	14 47.9	9.847 9053	4 9201	8 51.9
28	3 14 30.32	3 51.03	14 47 28.4	14 45.8	9.852 8254	4 8634	8 51.8
29	3 18 21.35	3 53.06	15 2 14.2	14 42.8	9.857 6888	4 8072	8 51.7
30	3 22 14.41	3 55.07	15 16 57.0	14 38.6	9.862 4960	4 7513	8 51.6
Juli 1	3 26 9.48	3 57.03	+15 31 35.6	14 33.6	9.867 2473	4 6962	8 51.6
2	3 30 6.51	3 58.98	15 46 9.2	14 27.3	9.871 9435	4 6415	8 51.7
3	3 34 5.49	4 0.89	16 0 36.5	14 20.2	9.876 5850	4 5874	8 51.7
4	3 38 6.38	4 2.78	16 14 56.7	14 12.2	9.881 1724	4 5340	8 51.8
5	3 42 9.16	4 4.62	16 29 8.9	14 3.1	9.885 7064	4 4810	8 51.9
6	3 46 13.78	4 6.45	16 43 12.0	13 53.0	9.890 1874	4 4289	8 52.1
7	3 50 20.23	4 8.24	+16 57 5.0	13 42.2	9.894 6163	4 3775	8 52.2
8	3 54 28.47	4 10.00	17 10 47.2	13 30.3	9.898 9938	4 3271	8 52.4
9	3 58 38.47	4 11.74	17 24 17.5	13 17.7	9.903 3209	4 2774	8 52.7
10	4 2 50.21	4 13.46	17 37 35.2	13 4.0	9.907 5983	4 2286	8 52.9
11	4 7 3.67	4 15.14	17 50 39.2	12 49.6	9.911 8269	4 1805	8 53.2
12	4 11 18.81	4 16.82	18 3 28.8	12 34.3	9.916 0074	4 1331	8 53.5
13	4 15 35.63	4 18.45	+18 16 3.1	12 18.3	9.920 1405	4 0866	8 53.9
14	4 19 54.08	4 20.08	18 28 21.4	12 1.3	9.924 2271	4 0408	8 54.3
15	4 24 14.16	4 21.69	18 40 22.7	11 43.7	9.928 2679	3 9956	8 54.7
16	4 28 35.85	4 23.26	18 52 6.4	11 25.2	9.932 2635	3 9511	8 55.1
17	4 32 59.11	4 24.82	19 3 31.6	11 5.9	9.936 2146	3 9073	8 55.6
18	4 37 23.93	4 26.36	19 14 37.5	10 45.9	9.940 1219	3 8640	8 56.0
19	4 41 50.29	4 27.87	+19 25 23.4	10 25.1	9.943 9859	3 8213	8 56.5
20	4 46 18.16	4 29.35	19 35 48.5	10 3.5	9.947 8072	3 7791	8 57.1
21	4 50 47.51	4 30.82	19 45 52.0	9 41.3	9.951 5863	3 7376	8 57.6
22	4 55 18.33	4 32.25	19 55 33.3	9 18.3	9.955 3239	3 6964	8 58.2
23	4 59 50.58	4 33.66	20 4 51.6	8 54.6	9.959 0203	3 6558	8 58.8
24	5 4 24.24		+20 13 46.2		9.962 6761		8 59.4

Tag		0ʰ Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1937		h m s	m s	° ′ ″	′ ″			h m
Juli	24	5 4 24.24	4 35.04	+20 13 46.2	8 30.3	9.962 6761	3 6156	8 59.4
	25	5 8 59.28	4 36.38	20 22 16.5	8 5.3	9.966 2917	3 5757	9 0.1
	26	5 13 35.66	4 37.69	20 30 21.8	7 39.6	9.969 8674	3 5364	9 0.8
	27	5 18 13.35	4 38.96	20 38 1.4	7 13.3	9.973 4038	3 4973	9 1.5
	28	5 22 52.31	4 40.20	20 45 14.7	6 46.4	9.976 9011	3 4585	9 2.2
	29	5 27 32.51	4 41.41	20 52 1.1	6 18.9	9.980 3596	3 4200	9 2.9
	30	5 32 13.92	4 42.57	+20 58 20.0	5 50.8	9.983 7796	3 3820	9 3.7
	31	5 36 56.49	4 43.68	21 4 10.8	5 22.3	9.987 1616	3 3442	9 4.4
Aug.	1	5 41 40.17	4 44.76	21 9 33.1	4 53.1	9.990 5058	3 3070	9 5.2
	2	5 46 24.93	4 45.78	21 14 26.2	4 23.5	9.993 8128	3 2700	9 6.0
	3	5 51 10.71	4 46.75	21 18 49.7	3 53.4	9.997 0828	3 2335	9 6.9
	4	5 55 57.46	4 47.69	21 22 43.1	3 22.8	0.000 3163	3 1976	9 7.7
	5	6 0 45.15	4 48.56	+21 26 5.9	2 51.9	0.003 5139	3 1620	9 8.6
	6	6 5 33.71	4 49.40	21 28 57.8	2 20.5	0.006 6759	3 1269	9 9.4
	7	6 10 23.11	4 50.17	21 31 18.3	1 48.8	0.009 8028	3 0924	9 10.3
	8	6 15 13.28	4 50.90	21 33 7.1	1 16.8	0.012 8952	3 0584	9 11.2
	9	6 20 4.18	4 51.59	21 34 23.9	0 44.3	0.015 9536	3 0249	9 12.1
	10	6 24 55.77	4 52.22	21 35 8.2	0 11.6	0.018 9785	2 9919	9 13.1
	11	6 29 47.99	4 52.80	+21 35 19.8	0 21.4	0.021 9704	2 9594	9 14.0
	12	6 34 40.79	4 53.35	21 34 58.4	0 54.6	0.024 9298	2 9275	9 14.9
	13	6 39 34.14	4 53.85	21 34 3.8	1 28.1	0.027 8573	2 8958	9 15.9
	14	6 44 27.99	4 54.29	21 32 35.7	2 1.7	0.030 7531	2 8648	9 16.9
	15	6 49 22.28	4 54.70	21 30 34.0	2 35.6	0.033 6179	2 8341	9 17.8
	16	6 54 16.98	4 55.06	21 27 58.4	3 9.6	0.036 4520	2 8037	9 18.8
	17	6 59 12.04	4 55.36	+21 24 48.8	3 43.7	0.039 2557	2 7737	9 19.8
	18	7 4 7.40	4 55.63	21 21 5.1	4 18.0	0.042 0294	2 7440	9 20.8
	19	7 9 3.03	4 55.86	21 16 47.1	4 52.3	0.044 7734	2 7148	9 21.7
	20	7 13 58.89	4 56.03	21 11 54.8	5 26.8	0.047 4882	2 6857	9 22.7
	21	7 18 54.92	4 56.16	21 6 28.0	6 1.2	0.050 1739	2 6571	9 23.7
	22	7 23 51.08	4 56.26	21 0 26.8	6 35.6	0.052 8310	2 6287	9 24.7
	23	7 28 47.34	4 56.30	+20 53 51.2	7 10.0	0.055 4597	2 6004	9 25.7
	24	7 33 43.64	4 56.31	20 46 41.2	7 44.4	0.058 0601	2 5725	9 26.7
	25	7 38 39.95	4 56.28	20 38 56.8	8 18.7	0.060 6326	2 5447	9 27.7
	26	7 43 36.23	4 56.20	20 30 38.1	8 52.9	0.063 1773	2 5171	9 28.7
	27	7 48 32.43	4 56.07	20 21 45.2	9 26.9	0.065 6944	2 4895	9 29.7
	28	7 53 28.50	4 55.92	20 12 18.3	10 0.8	0.068 1839	2 4622	9 30.7
	29	7 58 24.42	4 55.71	+20 2 17.5	10 34.4	0.070 6461	2 4352	9 31.7
	30	8 3 20.13	4 55.47	19 51 43.1	11 7.9	0.073 0813	2 4081	9 32.7
	31	8 8 15.60	4 55.20	19 40 35.2	11 41.2	0.075 4894	2 3814	9 33.6
Sept.	1	8 13 10.80	4 54.87	19 28 54.0	12 14.1	0.077 8708	2 3549	9 34.6
	2	8 18 5.67	4 54.52	19 16 39.9	12 46.7	0.080 2257	2 3288	9 35.6
	3	8 23 0.19		+19 3 53.2		0.082 5545		9 36.6

Tag	0h Welt-Zeit						Obere Kulmination in Greenwich
	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1937	h m s	m s	° ′ ″	′ ″			h m
Sept. 3	8 23 0.19	4 54.14	+19 3 53.2	13 19.1	0.082 5545	2 3028	9 36.6
4	8 27 54.33	4 53.71	18 50 34.1	13 51.1	0.084 8573	2 2771	9 37.5
5	8 32 48.04	4 53.25	18 36 43.0	14 22.7	0.087 1344	2 2519	9 38.5
6	8 37 41.29	4 52.79	18 22 20.3	14 54.1	0.089 3863	2 2269	9 39.4
7	8 42 34.08	4 52.27	18 7 26.2	15 24.9	0.091 6132	2 2022	9 40.3
8	8 47 26.35	4 51.76	17 52 1.3	15 55.5	0.093 8154	2 1779	9 41.3
9	8 52 18.11	4 51.20	+17 36 5.8	16 25.5	0.095 9933	2 1538	9 42.2
10	8 57 9.31	4 50.65	17 19 40.3	16 55.2	0.098 1471	2 1300	9 43.1
11	9 1 59.96	4 50.06	17 2 45.1	17 24.4	0.100 2771	2 1066	9 44.0
12	9 6 50.02	4 49.47	16 45 20.7	17 53.3	0.102 3837	2 0834	9 44.9
13	9 11 39.49	4 48.86	16 27 27.4	18 21.5	0.104 4671	2 0605	9 45.8
14	9 16 28.35	4 48.26	16 9 5.9	18 49.3	0.106 5276	2 0379	9 46.6
15	9 21 16.61	4 47.63	+15 50 16.6	19 16.6	0.108 5655	2 0157	9 47.5
16	9 26 4.24	4 47.01	15 31 0.0	19 43.4	0.110 5812	1 9936	9 48.3
17	9 30 51.25	4 46.39	15 11 16.6	20 9.7	0.112 5748	1 9717	9 49.2
18	9 35 37.64	4 45.76	14 51 6.9	20 35.5	0.114 5465	1 9501	9 50.0
19	9 40 23.40	4 45.13	14 30 31.4	21 0.7	0.116 4966	1 9286	9 50.8
20	9 45 8.53	4 44.51	14 9 30.7	21 25.4	0.118 4252	1 9074	9 51.6
21	9 49 53.04	4 43.90	+13 48 5.3	21 49.6	0.120 3326	1 8862	9 52.4
22	9 54 36.94	4 43.28	13 26 15.7	22 13.1	0.122 2188	1 8651	9 53.2
23	9 59 20.22	4 42.69	13 4 2.6	22 36.1	0.124 0839	1 8442	9 54.0
24	10 4 2.91	4 42.09	12 41 26.5	22 58.4	0.125 9281	1 8233	9 54.7
25	10 8 45.00	4 41.50	12 18 28.1	23 20.1	0.127 7514	1 8026	9 55.5
26	10 13 26.50	4 40.93	11 55 8.0	23 41.3	0.129 5540	1 7818	9 56.2
27	10 18 7.43	4 40.36	+11 31 26.7	24 1.7	0.131 3358	1 7612	9 57.0
28	10 22 47.79	4 39.81	11 7 25.0	24 21.6	0.133 0970	1 7406	9 57.7
29	10 27 27.60	4 39.27	10 43 3.4	24 40.7	0.134 8376	1 7201	9 58.4
30	10 32 6.87	4 38.75	10 18 22.7	24 59.2	0.136 5577	1 6998	9 59.1
Okt. 1	10 36 45.62	4 38.24	9 53 23.5	25 17.1	0.138 2575	1 6797	9 59.8
2	10 41 23.86	4 37.74	9 28 6.4	25 34.3	0.139 9372	1 6597	10 0.5
3	10 46 1.60	4 37.26	+ 9 2 32.1	25 50.8	0.141 5969	1 6398	10 1.2
4	10 50 38.86	4 36.81	8 36 41.3	26 6.7	0.143 2367	1 6202	10 1.9
5	10 55 15.67	4 36.37	8 10 34.6	26 21.7	0.144 8569	1 6009	10 2.5
6	10 59 52.04	4 35.96	7 44 12.9	26 36.2	0.146 4578	1 5817	10 3.2
7	11 4 28.00	4 35.56	7 17 36.7	26 50.0	0.148 0395	1 5627	10 3.8
8	11 9 3.56	4 35.20	6 50 46.7	27 3.1	0.149 6022	1 5440	10 4.5
9	11 13 38.76	4 34.86	+ 6 23 43.6	27 15.5	0.151 1462	1 5254	10 5.1
10	11 18 13.62	4 34.55	5 56 28.1	27 27.1	0.152 6716	1 5072	10 5.8
11	11 22 48.17	4 34.27	5 29 1.0	27 38.3	0.154 1788	1 4891	10 6.4
12	11 27 22.44	4 34.02	5 1 22.7	27 48.5	0.155 6679	1 4712	10 7.0
13	11 31 56.46	4 33.80	4 33 34.2	27 58.3	0.157 1391	1 4534	10 7.7
14	11 36 30.26		+ 4 5 35.9		0.158 5925		10 8.3

Tag	0h Welt-Zeit Scheinbare Rektaszension		0h Welt-Zeit Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1937	h m s	m s	° ′ ″	′ ″			h m
Okt. 14	11 36 30.26	4 33.61	+ 4 5 35.9	28 7.1	0.158 5925	1 4359	10 8.3
15	11 41 3.87	4 33.46	3 37 28.8	28 15.5	0.160 0284	1 4187	10 8.9
16	11 45 37.33	4 33.34	3 9 13.3	28 23.0	0.161 4471	1 4015	10 9.5
17	11 50 10.67	4 33.25	2 40 50.3	28 29.8	0.162 8486	1 3846	10 10.1
18	11 54 43.92	4 33.20	2 12 20.5	28 36.0	0.164 2332	1 3679	10 10.7
19	11 59 17.12	4 33.19	1 43 44.5	28 41.5	0.165 6011	1 3513	10 11.4
20	12 3 50.31	4 33.22	+ 1 15 3.0	28 46.4	0.166 9524	1 3346	10 12.0
21	12 8 23.53	4 33.28	0 46 16.6	28 50.3	0.168 2870	1 3182	10 12.6
22	12 12 56.81	4 33.38	+ 0 17 26.3	28 53.6	0.169 6052	1 3018	10 13.2
23	12 17 30.19	4 33.52	− 0 11 27.3	28 56.3	0.170 9070	1 2854	10 13.8
24	12 22 3.71	4 33.70	0 40 23.6	28 58.2	0.172 1924	1 2691	10 14.4
25	12 26 37.41	4 33.90	1 9 21.8	28 59.4	0.173 4615	1 2527	10 15.0
26	12 31 11.31	4 34.16	− 1 38 21.2	28 59.7	0.174 7142	1 2365	10 15.7
27	12 35 45.47	4 34.44	2 7 20.9	28 59.3	0.175 9507	1 2202	10 16.3
28	12 40 19.91	4 34.76	2 36 20.2	28 58.3	0.177 1709	1 2040	10 16.9
29	12 44 54.67	4 35.11	3 5 18.5	28 56.3	0.178 3749	1 1879	10 17.6
30	12 49 29.78	4 35.50	3 34 14.8	28 53.6	0.179 5628	1 1718	10 18.2
31	12 54 5.28	4 35.93	4 3 8.4	28 50.2	0.180 7346	1 1559	10 18.9
Nov. 1	12 58 41.21	4 36.38	− 4 31 58.6	28 46.0	0.181 8905	1 1401	10 19.5
2	13 3 17.59	4 36.87	5 0 44.6	28 41.1	0.183 0306	1 1245	10 20.2
3	13 7 54.46	4 37.40	5 29 25.7	28 35.3	0.184 1551	1 1088	10 20.9
4	13 12 31.86	4 37.96	5 58 1.0	28 28.8	0.185 2639	1 0935	10 21.6
5	13 17 9.82	4 38.56	6 26 29.8	28 21.6	0.186 3574	1 0783	10 22.3
6	13 21 48.38	4 39.18	6 54 51.4	28 13.5	0.187 4357	1 0632	10 23.0
7	13 26 27.56	4 39.84	− 7 23 4.9	28 4.7	0.188 4989	1 0483	10 23.7
8	13 31 7.40	4 40.54	7 51 9.6	27 55.1	0.189 5472	1 0336	10 24.4
9	13 35 47.94	4 41.27	8 19 4.7	27 44.7	0.190 5808	1 0189	10 25.1
10	13 40 29.21	4 42.03	8 46 49.4	27 33.5	0.191 5997	1 0046	10 25.9
11	13 45 11.24	4 42.83	9 14 22.9	27 21.6	0.192 6043	9902	10 26.6
12	13 49 54.07	4 43.65	9 41 44.5	27 8.9	0.193 5945	9762	10 27.4
13	13 54 37.72	4 44.51	−10 8 53.4	26 55.4	0.194 5707	9623	10 28.2
14	13 59 22.23	4 45.40	10 35 48.8	26 41.0	0.195 5330	9486	10 29.0
15	14 4 7.63	4 46.33	11 2 29.8	26 25.9	0.196 4816	9350	10 29.8
16	14 8 53.96	4 47.28	11 28 55.7	26 10.1	0.197 4166	9216	10 30.7
17	14 13 41.24	4 48.26	11 55 5.8	25 53.4	0.198 3382	9082	10 31.5
18	14 18 29.50	4 49.27	12 20 59.2	25 36.0	0.199 2464	8951	10 32.4
19	14 23 18.77	4 50.31	−12 46 35.2	25 17.7	0.200 1415	8819	10 33.3
20	14 28 9.08	4 51.37	13 11 52.9	24 58.7	0.201 0234	8687	10 34.2
21	14 33 0.45	4 52.46	13 36 51.6	24 38.8	0.201 8921	8556	10 35.1
22	14 37 52.91	4 53.58	14 1 30.4	24 18.1	0.202 7477	8425	10 36.1
23	14 42 46.49	4 54.70	14 25 48.5	23 56.7	0.203 5902	8294	10 37.0
24	14 47 41.19		−14 49 45.2		0.204 4196		10 38.0

Tag	0ʰ Welt-Zeit						Obere Kulmination in Greenwich
	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1937	h m s	m s	° ′ ″	′ ″			h m
Nov. 24	14 47 41.19	4 55.85	−14 49 45.2	23 34.4	0.204 4196	8164	10 38.0
25	14 52 37.04	4 57.01	15 13 19.6	23 11.3	0.205 2360	8032	10 39.0
26	14 57 34.05	4 58.18	15 36 30.9	22 47.5	0.206 0392	7901	10 40.0
27	15 2 32.23	4 59.36	15 59 18.4	22 22.7	0.206 8293	7771	10 41.0
28	15 7 31.59	5 0.56	16 21 41.1	21 57.3	0.207 6064	7641	10 42.1
29	15 12 32.15	5 1.75	16 43 38.4	21 31.0	0.208 3705	7511	10 43.2
30	15 17 33.90	5 2.96	−17 5 9.4	21 3.9	0.209 1216	7382	10 44.3
Dez. 1	15 22 36.86	5 4.15	17 26 13.3	20 36.1	0.209 8598	7253	10 45.4
2	15 27 41.01	5 5.35	17 46 49.4	20 7.4	0.210 5851	7127	10 46.5
3	15 32 46.36	5 6.55	18 6 56.8	19 38.0	0.211 2978	7000	10 47.7
4	15 37 52.91	5 7.74	18 26 34.8	19 7.9	0.211 9978	6877	10 48.9
5	15 43 0.65	5 8.92	18 45 42.7	18 37.1	0.212 6855	6754	10 50.1
6	15 48 9.57	5 10.10	−19 4 19.8	18 5.4	0.213 3609	6631	10 51.3
7	15 53 19.67	5 11.25	19 22 25.2	17 33.0	0.214 0240	6510	10 52.5
8	15 58 30.92	5 12.40	19 39 58.2	16 59.9	0.214 6750	6390	10 53.8
9	16 3 43.32	5 13.53	19 56 58.1	16 26.0	0.215 3140	6270	10 55.0
10	16 8 56.85	5 14.64	20 13 24.1	15 51.6	0.215 9410	6153	10 56.3
11	16 14 11.49	5 15.73	20 29 15.7	15 16.4	0.216 5563	6037	10 57.6
12	16 19 27.22	5 16.78	−20 44 32.1	14 40.6	0.217 1600	5922	10 59.0
13	16 24 44.00	5 17.83	20 59 12.7	14 4.1	0.217 7522	5808	11 0.3
14	16 30 1.83	5 18.83	21 13 16.8	13 27.2	0.218 3330	5696	11 1.7
15	16 35 20.66	5 19.81	21 26 44.0	12 49.6	0.218 9026	5585	11 3.1
16	16 40 40.47	5 20.75	21 39 33.6	12 11.4	0.219 4611	5477	11 4.5
17	16 46 1.22	5 21.67	21 51 45.0	11 32.8	0.220 0088	5368	11 5.9
18	16 51 22.89	5 22.55	−22 3 17.8	10 53.6	0.220 5456	5259	11 7.3
19	16 56 45.44	5 23.38	22 14 11.4	10 13.8	0.221 0715	5151	11 8.7
20	17 2 8.82	5 24.18	22 24 25.2	9 33.5	0.221 5866	5043	11 10.2
21	17 7 33.00	5 24.93	22 33 58.7	8 52.8	0.222 0909	4934	11 11.7
22	17 12 57.93	5 25.63	22 42 51.5	8 11.7	0.222 5843	4825	11 13.1
23	17 18 23.56	5 26.29	22 51 3.2	7 30.1	0.223 0668	4717	11 14.6
24	17 23 49.85	5 26.88	−22 58 33.3	6 48.1	0.223 5385	4607	11 16.1
25	17 29 16.73	5 27.43	23 5 21.4	6 5.9	0.223 9992	4498	11 17.6
26	17 34 44.16	5 27.92	23 11 27.3	5 23.3	0.224 4490	4390	11 19.2
27	17 40 12.08	5 28.35	23 16 50.6	4 40.5	0.224 8880	4280	11 20.7
28	17 45 40.43	5 28.71	23 21 31.1	3 57.4	0.225 3160	4171	11 22.2
29	17 51 9.14	5 29.02	23 25 28.5	3 14.1	0.225 7331	4062	11 23.8
30	17 56 38.16	5 29.26	−23 28 42.6	2 30.6	0.226 1393	3953	11 25.3
31	18 2 7.42	5 29.45	23 31 13.2	1 47.0	0.226 5346	3845	11 26.8
32	18 7 36.87		−23 33 0.2		0.226 9191		11 28.4

Tag		0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1937		h m s	m s	° ′ ″	′ ″			h m
Jan.	0	13 41 40.87	2 4.95	−8 53 48.2	11 48.1	0.221 6085	2 5612	7 4.2
	1	13 43 45.82	2 4.77	9 5 36.3	11 43.3	0.219 0473	2 5836	7 2.3
	2	13 45 50.59	2 4.57	9 17 19.6	11 38.4	0.216 4637	2 6063	7 0.4
	3	13 47 55.16	2 4.38	9 28 58.0	11 33.5	0.213 8574	2 6290	6 58.6
	4	13 49 59.54	2 4.17	9 40 31.5	11 28.5	0.211 2284	2 6519	6 56.7
	5	13 52 3.71	2 3.96	9 52 0.0	11 23.4	0.208 5765	2 6751	6 54.8
	6	13 54 7.67	2 3.73	−10 3 23.4	11 18.2	0.205 9014	2 6982	6 53.0
	7	13 56 11.40	2 3.50	10 14 41.6	11 12.9	0.203 2032	2 7215	6 51.1
	8	13 58 14.90	2 3.27	10 25 54.5	11 7.6	0.200 4817	2 7450	6 49.2
	9	14 0 18.17	2 3.01	10 37 2.1	11 2.2	0.197 7367	2 7684	6 47.3
	10	14 2 21.18	2 2.75	10 48 4.3	10 56.8	0.194 9683	2 7919	6 45.4
	11	14 4 23.93	2 2.49	10 59 1.1	10 51.3	0.192 1764	2 8156	6 43.5
	12	14 6 26.42	2 2.20	−11 9 52.4	10 45.7	0.189 3608	2 8391	6 41.6
	13	14 8 28.62	2 1.92	11 20 38.1	10 40.1	0.186 5217	2 8629	6 39.7
	14	14 10 30.54	2 1.62	11 31 18.2	10 34.4	0.183 6588	2 8866	6 37.8
	15	14 12 32.16	2 1.31	11 41 52.6	10 28.6	0.180 7722	2 9102	6 35.9
	16	14 14 33.47	2 1.00	11 52 21.2	10 22.9	0.177 8620	2 9341	6 34.0
	17	14 16 34.47	2 0.68	12 2 44.1	10 17.1	0.174 9279	2 9578	6 32.1
	18	14 18 35.15	2 0.34	−12 13 1.2	10 11.3	0.171 9701	2 9815	6 30.1
	19	14 20 35.49	2 0.01	12 23 12.5	10 5.4	0.168 9886	3 0054	6 28.2
	20	14 22 35.50	1 59.66	12 33 17.9	9 59.4	0.165 9832	3 0293	6 26.3
	21	14 24 35.16	1 59.30	12 43 17.3	9 53.6	0.162 9539	3 0533	6 24.3
	22	14 26 34.46	1 58.95	12 53 10.9	9 47.5	0.159 9006	3 0774	6 22.3
	23	14 28 33.41	1 58.57	13 2 58.4	9 41.6	0.156 8232	3 1016	6 20.4
	24	14 30 31.98	1 58.20	−13 12 40.0	9 35.5	0.153 7216	3 1261	6 18.4
	25	14 32 30.18	1 57.80	13 22 15.5	9 29.5	0.150 5955	3 1507	6 16.5
	26	14 34 27.98	1 57.40	13 31 45.0	9 23.3	0.147 4448	3 1755	6 14.5
	27	14 36 25.38	1 57.00	13 41 8.3	9 17.2	0.144 2693	3 2006	6 12.5
	28	14 38 22.38	1 56.56	13 50 25.5	9 11.0	0.141 0687	3 2258	6 10.5
	29	14 40 18.94	1 56.12	13 59 36.5	9 4.8	0.137 8429	3 2513	6 8.5
	30	14 42 15.06	1 55.66	−14 8 41.3	8 58.6	0.134 5916	3 2769	6 6.5
	31	14 44 10.72	1 55.19	14 17 39.9	8 52.2	0.131 3147	3 3027	6 4.5
Febr.	1	14 46 5.91	1 54.69	14 26 32.1	8 45.9	0.128 0120	3 3286	6 2.5
	2	14 48 0.60	1 54.18	14 35 18.0	8 39.5	0.124 6834	3 3547	6 0.4
	3	14 49 54.78	1 53.65	14 43 57.5	8 33.1	0.121 3287	3 3809	5 58.4
	4	14 51 48.43	1 53.10	14 52 30.6	8 26.6	0.117 9478	3 4072	5 56.3
	5	14 53 41.53	1 52.53	−15 0 57.2	8 20.2	0.114 5406	3 4335	5 54.3
	6	14 55 34.06	1 51.94	15 9 17.4	8 13.6	0.111 1071	3 4599	5 52.2
	7	14 57 26.00	1 51.32	15 17 31.0	8 7.1	0.107 6472	3 4864	5 50.1
	8	14 59 17.32	1 50.69	15 25 38.1	8 0.6	0.104 1608	3 5127	5 48.0
	9	15 1 8.01	1 50.02	15 33 38.7	7 54.0	0.100 6481	3 5391	5 46.0
	10	15 2 58.03		−15 41 32.7		0.097 1090		5 43.8

Tag	0h Welt-Zeit Scheinbare Rektaszension		0h Welt-Zeit Scheinbare Deklination		0h Welt-Zeit log Δ		Obere Kulmination in Greenwich
1937	h m s	m s	° ′ ″	′ ″			h m
Febr. 10	15 2 58.03	1 49.35	−15 41 32.7	7 47.5	0.097 1090	3 5654	5 43.8
11	15 4 47.38	1 48.64	15 49 20.2	7 40.9	0.093 5436	3 5916	5 41.7
12	15 6 36.02	1 47.93	15 57 1.1	7 34.4	0.089 9520	3 6178	5 39.6
13	15 8 23.95	1 47.18	16 4 35.5	7 27.8	0.086 3342	3 6438	5 37.5
14	15 10 11.13	1 46.42	16 12 3.3	7 21.2	0.082 6904	3 6699	5 35.3
15	15 11 57.55	1 45.63	16 19 24.5	7 14.7	0.079 0205	3 6958	5 33.1
16	15 13 43.18	1 44.82	−16 26 39.2	7 8.2	0.075 3247	3 7217	5 30.9
17	15 15 28.00	1 44.00	16 33 47.4	7 1.7	0.071 6030	3 7474	5 28.7
18	15 17 12.00	1 43.15	16 40 49.1	6 55.1	0.067 8556	3 7732	5 26.5
19	15 18 55.15	1 42.29	16 47 44.2	6 48.7	0.064 0824	3 7989	5 24.3
20	15 20 37.44	1 41.40	16 54 32.9	6 42.3	0.060 2835	3 8247	5 22.1
21	15 22 18.84	1 40.49	17 1 15.2	6 35.9	0.056 4588	3 8506	5 19.8
22	15 23 59.33	1 39.56	−17 7 51.1	6 29.5	0.052 6082	3 8764	5 17.6
23	15 25 38.89	1 38.60	17 14 20.6	6 23.1	0.048 7318	3 9023	5 15.3
24	15 27 17.49	1 37.61	17 20 43.7	6 16.7	0.044 8295	3 9284	5 13.0
25	15 28 55.10	1 36.59	17 27 0.4	6 10.3	0.040 9011	3 9545	5 10.7
26	15 30 31.69	1 35.55	17 33 10.7	6 4.1	0.036 9466	3 9806	5 8.3
27	15 32 7.24	1 34.47	17 39 14.8	5 57.7	0.032 9660	4 0068	5 6.0
28	15 33 41.71	1 33.36	−17 45 12.5	5 51.3	0.028 9592	4 0328	5 3.6
März 1	15 35 15.07	1 32.22	17 51 3.8	5 45.1	0.024 9264	4 0589	5 1.2
2	15 36 47.29	1 31.03	17 56 48.9	5 38.9	0.020 8675	4 0848	4 58.8
3	15 38 18.32	1 29.81	18 2 27.8	5 32.6	0.016 7827	4 1106	4 56.4
4	15 39 48.13	1 28.54	18 8 0.4	5 26.4	0.012 6721	4 1361	4 54.0
5	15 41 16.67	1 27.25	18 13 26.8	5 20.3	0.008 5360	4 1615	4 51.5
6	15 42 43.92	1 25.91	−18 18 47.1	5 14.1	0.004 3745	4 1867	4 49.0
7	15 44 9.83	1 24.53	18 24 1.2	5 8.0	0.000 1878	4 2116	4 46.5
8	15 45 34.36	1 23.12	18 29 9.2	5 1.9	9.995 9762	4 2361	4 44.0
9	15 46 57.48	1 21.65	18 34 11.1	4 55.9	9.991 7401	4 2602	4 41.4
10	15 48 19.13	1 20.15	18 39 7.0	4 50.0	9.987 4799	4 2837	4 38.8
11	15 49 39.28	1 18.60	18 43 57.0	4 44.0	9.983 1962	4 3067	4 36.2
12	15 50 57.88	1 17.01	−18 48 41.0	4 38.1	9.978 8895	4 3291	4 33.6
13	15 52 14.89	1 15.37	18 53 19.1	4 32.3	9.974 5604	4 3509	4 30.9
14	15 53 30.26	1 13.71	18 57 51.4	4 26.6	9.970 2095	4 3721	4 28.2
15	15 54 43.97	1 12.00	19 2 18.0	4 20.8	9.965 8374	4 3926	4 25.5
16	15 55 55.97	1 10.26	19 6 38.8	4 15.2	9.961 4448	4 4123	4 22.8
17	15 57 6.23	1 8.47	19 10 54.0	4 9.7	9.957 0325	4 4314	4 20.0
18	15 58 14.70	1 6.65	−19 15 3.7	4 4.2	9.952 6011	4 4499	4 17.2
19	15 59 21.35	1 4.79	19 19 7.9	3 58.7	9.948 1512	4 4677	4 14.4
20	16 0 26.14	1 2.88	19 23 6.6	3 53.4	9.943 6835	4 4846	4 11.5
21	16 1 29.02	1 0.93	19 27 0.0	3 48.0	9.939 1989	4 5011	4 8.6
22	16 2 29.95	0 58.95	19 30 48.0	3 42.8	9.934 6978	4 5168	4 5.7
23	16 3 28.90		−19 34 30.8		9.930 1810		4 2.7

Tag		0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1937		h m s	s	° ′ ″	′ ″			h m
März	23	16 3 28.90	56.91	−19 34 30.8	3 37.5	9.930 1810	4 5319	4 2.7
	24	16 4 25.81	54.83	19 38 8.3	3 32.4	9.925 6491	4 5460	3 59.7
	25	16 5 20.64	52.70	19 41 40.7	3 27.2	9.921 1031	4 5594	3 56.7
	26	16 6 13.34	50.51	19 45 7.9	3 22.1	9.916 5437	4 5718	3 53.6
	27	16 7 3.85	48.28	19 48 30.0	3 17.1	9.911 9719	4 5832	3 50.5
	28	16 7 52.13	45.98	19 51 47.1	3 12.1	9.907 3887	4 5934	3 47.4
	29	16 8 38.11	43.64	−19 54 59.2	3 7.0	9.902 7953	4 6026	3 44.2
	30	16 9 21.75	41.25	19 58 6.2	3 2.2	9.898 1927	4 6106	3 41.0
	31	16 10 3.00	38.80	20 1 8.4	2 57.2	9.893 5821	4 6174	3 37.8
April	1	16 10 41.80	36.30	20 4 5.6	2 52.3	9.888 9647	4 6224	3 34.5
	2	16 11 18.10	33.73	20 6 57.9	2 47.5	9.884 3423	4 6259	3 31.1
	3	16 11 51.83	31.10	20 9 45.4	2 42.6	9.879 7164	4 6277	3 27.7
	4	16 12 22.93	28.42	−20 12 28.0	2 37.8	9.875 0887	4 6275	3 24.3
	5	16 12 51.35	25.68	20 15 5.8	2 32.9	9.870 4612	4 6252	3 20.9
	6	16 13 17.03	22.89	20 17 38.7	2 28.0	9.865 8360	4 6208	3 17.4
	7	16 13 39.92	20.04	20 20 6.7	2 23.2	9.861 2152	4 6143	3 13.8
	8	16 13 59.96	17.15	20 22 29.9	2 18.4	9.856 6009	4 6055	3 10.2
	9	16 14 17.11	14.21	20 24 48.3	2 13.6	9.851 9954	4 5941	3 6.5
	10	16 14 31.32	11.23	−20 27 1.9	2 8.7	9.847 4013	4 5800	3 2.8
	11	16 14 42.55	8.21	20 29 10.6	2 3.8	9.842 8213	4 5630	2 59.1
	12	16 14 50.76	5.15	20 31 14.4	1 59.0	9.838 2583	4 5433	2 55.3
	13	16 14 55.91	2.08	20 33 13.4	1 54.0	9.833 7150	4 5205	2 51.4
	14	16 14 57.99	1.04	20 35 7.4	1 49.1	9.829 1945	4 4949	2 47.5
	15	16 14 56.95	4.17	20 36 56.5	1 44.1	9.824 6996	4 4665	2 43.6
	16	16 14 52.78	7.33	−20 38 40.6	1 39.1	9.820 2331	4 4349	2 39.6
	17	16 14 45.45	10.50	20 40 19.7	1 34.2	9.815 7982	4 4003	2 35.5
	18	16 14 34.95	13.69	20 41 53.9	1 29.0	9.811 3979	4 3625	2 31.4
	19	16 14 21.26	16.90	20 43 22.9	1 23.7	9.807 0354	4 3216	2 27.2
	20	16 14 4.36	20.12	20 44 46.6	1 18.4	9.802 7138	4 2773	2 23.0
	21	16 13 44.24	23.34	20 46 5.0	1 13.1	9.798 4365	4 2296	2 18.7
	22	16 13 20.90	26.58	−20 47 18.1	1 7.6	9.794 2069	4 1785	2 14.4
	23	16 12 54.32	29.80	20 48 25.7	1 2.0	9.790 0284	4 1237	2 10.0
	24	16 12 24.52	33.04	20 49 27.7	0 56.3	9.785 9047	4 0655	2 5.6
	25	16 11 51.48	36.26	20 50 24.0	0 50.5	9.781 8392	4 0033	2 1.1
	26	16 11 15.22	39.47	20 51 14.5	0 44.6	9.777 8359	3 9370	1 56.6
	27	16 10 35.75	42.66	20 51 59.1	0 38.6	9.773 8989	3 8668	1 52.0
	28	16 9 53.09	45.83	−20 52 37.7	0 32.4	9.770 0321	3 7926	1 47.4
	29	16 9 7.26	48.96	20 53 10.1	0 26.1	9.766 2395	3 7139	1 42.7
	30	16 8 18.30	52.06	20 53 36.2	0 19.8	9.762 5256	3 6309	1 37.9
Mai	1	16 7 26.24	55.11	20 53 56.0	0 13.2	9.758 8947	3 5436	1 33.1
	2	16 6 31.13	58.10	20 54 9.2	0 6.6	9.755 3511	3 4519	1 28.3
	3	16 5 33.03		−20 54 15.8		9.751 8992		1 23.4

Tag	0h Welt-Zeit: Scheinbare Rektaszension		0h Welt-Zeit: Scheinbare Deklination		0h Welt-Zeit: log Δ		Obere Kulmination in Greenwich
1937	h m s	m s	° ′ ″	′ ″			h m
Mai 3	16 5 33.03	1 1.03	−20 54 15.8	0 0.1	9.751 8992	3 3557	1 23.4
4	16 4 32.00	1 3.88	20 54 15.7	0 6.9	9.748 5435	3 2550	1 18.4
5	16 3 28.12	1 6.64	20 54 8.8	0 13.7	9.745 2885	3 1498	1 13.4
6	16 2 21.48	1 9.32	20 53 55.1	0 20.5	9.742 1387	3 0403	1 8.4
7	16 1 12.16	1 11.87	20 53 34.6	0 27.4	9.739 0984	2 9264	1 3.3
8	16 0 0.29	1 14.29	20 53 7.2	0 34.2	9.736 1720	2 8082	0 58.2
9	15 58 46.00	1 16.60	−20 52 33.0	0 41.1	9.733 3638	2 6857	0 53.0
10	15 57 29.40	1 18.76	20 51 51.9	0 47.9	9.730 6781	2 5593	0 47.8
11	15 56 10.64	1 20.76	20 51 4.0	0 54.7	9.728 1188	2 4294	0 42.6
12	15 54 49.88	1 22.60	20 50 9.3	1 1.3	9.725 6894	2 2960	0 37.3
13	15 53 27.28	1 24.26	20 49 8.0	1 7.8	9.723 3934	2 1593	0 32.0
14	15 52 3.02	1 25.76	20 48 0.2	1 14.1	9.721 2341	2 0197	0 26.7
15	15 50 37.26	1 27.07	−20 46 46.1	1 20.2	9.719 2144	1 8781	0 21.3
16	15 49 10.19	1 28.20	20 45 25.9	1 26.0	9.717 3363	1 7345	0 16.0
17	15 47 41.99	1 29.15	20 43 59.9	1 31.6	9.715 6018	1 5888	0 10.6
18	15 46 12.84	1 29.91	20 42 28.3	1 36.9	9.714 0130	1 4420	{ 0 5.2 / 23 59.7 }
19	15 44 42.93	1 30.49	20 40 51.4	1 41.9	9.712 5710	1 2944	23 54.3
20	15 43 12.44	1 30.87	20 39 9.5	1 46.6	9.711 2766	1 1453	23 48.9
21	15 41 41.57	1 31.08	−20 37 22.9	1 50.7	9.710 1313	9953	23 43.4
22	15 40 10.49	1 31.08	20 35 32.2	1 54.6	9.709 1360	8446	23 38.0
23	15 38 39.41	1 30.91	20 33 37.6	1 58.0	9.708 2914	6942	23 32.5
24	15 37 8.50	1 30.55	20 31 39.6	2 0.9	9.707 5972	5439	23 27.1
25	15 35 37.95	1 30.00	20 29 38.7	2 3.4	9.707 0533	3938	23 21.7
26	15 34 7.95	1 29.26	20 27 35.3	2 5.4	9.706 6595	2445	23 16.3
27	15 32 38.69	1 28.35	−20 25 29.9	2 6.9	9.706 4150	964	23 10.9
28	15 31 10.34	1 27.25	20 23 23.0	2 7.8	9.706 3186	$\overline{508}$	23 5.5
29	15 29 43.09	1 25.99	20 21 15.2	2 8.2	9.706 3694	1969	23 0.1
30	15 28 17.10	1 24.54	20 19 7.0	2 7.9	9.706 5663	3416	22 54.8
31	15 26 52.56	1 22.94	20 16 59.1	2 7.0	9.706 9079	4838	22 49.5
Juni 1	15 25 29.62	1 21.17	20 14 52.1	2 5.6	9.707 3917	6240	22 44.2
2	15 24 8.45	1 19.23	−20 12 46.5	2 3.6	9.708 0157	7618	22 39.0
3	15 22 49.22	1 17.16	20 10 42.9	2 0.9	9.708 7775	8969	22 33.8
4	15 21 32.06	1 14.92	20 8 42.0	1 57.8	9.709 6744	1 0287	22 28.6
5	15 20 17.14	1 12.55	20 6 44.2	1 54.0	9.710 7031	1 1577	22 23.5
6	15 19 4.59	1 10.02	20 4 50.2	1 49.5	9.711 8608	1 2838	22 18.4
7	15 17 54.57	1 7.36	20 3 0.7	1 44.5	9.713 1446	1 4064	22 13.3
8	15 16 47.21	1 4.57	−20 1 16.2	1 38.8	9.714 5510	1 5251	22 8.3
9	15 15 42.64	1 1.69	19 59 37.4	1 32.6	9.716 0761	1 6395	22 3.4
10	15 14 40.95	0 58.69	19 58 4.8	1 26.0	9.717 7156	1 7498	21 58.5
11	15 13 42.26	0 55.59	19 56 38.8	1 18.8	9.719 4654	1 8556	21 53.6
12	15 12 46.67	0 52.42	19 55 20.0	1 11.1	9.721 3210	1 9568	21 48.8
13	15 11 54.25		−19 54 8.9		9.723 2778		21 44.0

Tag		0h Welt-Zeit						Obere Kulmination in Greenwich
		Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1937		h m s	s	° ′ ″	′ ″			h m
Juni	13	15 11 54.25	49.18	−19 54 8.9	1 3.1	9.723 2778	2 0535	21 44.0
	14	15 11 5.07	45.88	19 53 5.8	0 54.6	9.725 3313	2 1459	21 39.3
	15	15 10 19.19	42.52	19 52 11.2	0 45.8	9.727 4772	2 2336	21 34.7
	16	15 9 36.67	39.15	19 51 25.4	0 36.7	9.729 7108	2 3169	21 30.1
	17	15 8 57.52	35.73	19 50 48.7	0 27.2	9.732 0277	2 3960	21 25.6
	18	15 8 21.79	32.29	19 50 21.5	0 17.7	9.734 4237	2 4709	21 21.1
	19	15 7 49.50	28.83	−19 50 3.8	0 7.7	9.736 8946	2 5418	21 16.7
	20	15 7 20.67	25.36	19 49 56.1	$\overline{0\ 2.3}$	9.739 4364	2 6086	21 12.3
	21	15 6 55.31	21.90	19 49 58.4	0 12.4	9.742 0450	2 6716	21 8.0
	22	15 6 33.41	18.43	19 50 10.8	0 22.8	9.744 7166	2 7308	21 3.8
	23	15 6 14.98	14.96	19 50 33.6	0 33.2	9.747 4474	2 7860	20 59.6
	24	15 6 0.02	11.52	19 51 6.8	0 43.7	9.750 2334	2 8381	20 55.5
	25	15 5 48.50	8.09	−19 51 50.5	0 54.2	9.753 0715	2 8868	20 51.4
	26	15 5 40.41	4.65	19 52 44.7	1 4.7	9.755 9583	2 9322	20 47.4
	27	15 5 35.76	1.25	19 53 49.4	1 15.4	9.758 8905	2 9745	20 43.4
	28	15 5 34.51	$\overline{2.14}$	19 55 4.8	1 25.9	9.761 8650	3 0140	20 39.5
	29	15 5 36.65	5.51	19 56 30.7	1 36.5	9.764 8790	3 0507	20 35.7
	30	15 5 42.16	8.86	19 58 7.2	1 46.9	9.767 9297	3 0844	20 31.9
Juli	1	15 5 51.02	12.17	−19 59 54.1	1 57.2	9.771 0141	3 1154	20 28.1
	2	15 6 3.19	15.46	20 1 51.3	2 7.5	9.774 1295	3 1440	20 24.4
	3	15 6 18.65	18.73	20 3 58.8	2 17.8	9.777 2735	3 1699	20 20.8
	4	15 6 37.38	21.98	20 6 16.6	2 27.8	9.780 4434	3 1934	20 17.2
	5	15 6 59.36	25.20	20 8 44.4	2 37.7	9.783 6368	3 2145	20 13.7
	6	15 7 24.56	28.40	20 11 22.1	2 47.6	9.786 8513	3 2332	20 10.3
	7	15 7 52.96	31.56	−20 14 9.7	2 57.2	9.790 0845	3 2494	20 6.9
	8	15 8 24.52	34.70	20 17 6.9	3 6.8	9.793 3339	3 2632	20 3.5
	9	15 8 59.22	37.80	20 20 13.7	3 15.9	9.796 5971	3 2748	20 0.2
	10	15 9 37.02	40.87	20 23 29.6	3 25.0	9.799 8719	3 2841	19 56.9
	11	15 10 17.89	43.88	20 26 54.6	3 33.9	9.803 1560	3 2915	19 53.7
	12	15 11 1.77	46.85	20 30 28.5	3 42.3	9.806 4475	3 2967	19 50.5
	13	15 11 48.62	49.77	−20 34 10.8	3 50.6	9.809 7442	3 3001	19 47.4
	14	15 12 38.39	52.64	20 38 1.4	3 58.6	9.813 0443	3 3018	19 44.3
	15	15 13 31.03	55.47	20 42 0.0	4 6.3	9.816 3461	3 3021	19 41.3
	16	15 14 26.50	58.25	20 46 6.3	4 13.8	9.819 6482	3 3009	19 38.3
	17	15 15 24.75	60.98	20 50 20.1	4 20.8	9.822 9491	3 2985	19 35.4
	18	15 16 25.73	63.67	20 54 40.9	4 27.7	9.826 2476	3 2949	19 32.5
	19	15 17 29.40	66.30	−20 59 8.6	4 34.1	9.829 5425	3 2902	19 29.7
	20	15 18 35.70	68.89	21 3 42.7	4 40.3	9.832 8327	3 2844	19 26.9
	21	15 19 44.59	71.42	21 8 23.0	4 46.2	9.836 1171	3 2776	19 24.1
	22	15 20 56.01	73.92	21 13 9.2	4 51.7	9.839 3947	3 2702	19 21.4
	23	15 22 9.93	76.36	21 18 0.9	4 56.9	9.842 6649	3 2622	19 18.7
	24	15 23 26.29		−21 22 57.8		9.845 9271		19 16.1

Tag		0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1937		h m s	m s	° ′ ″	′ ″			h m
Juli	24	15 23 26.29	1 18.78	−21 22 57.8	5 1.8	9.845 9271	3 2533	19 16.1
	25	15 24 45.07	1 21.15	21 27 59.6	5 6.5	9.849 1804	3 2439	19 13.5
	26	15 26 6.22	1 23.48	21 33 6.1	5 10.8	9.852 4243	3 2341	19 11.0
	27	15 27 29.70	1 25.79	21 38 16.9	5 14.7	9.855 6584	3 2239	19 8.5
	28	15 28 55.49	1 28.06	21 43 31.6	5 18.4	9.858 8823	3 2133	19 6.0
	29	15 30 23.55	1 30.30	21 48 50.0	5 21.8	9.862 0956	3 2023	19 3.5
	30	15 31 53.85	1 32.50	−21 54 11.8	5 24.8	9.865 2979	3 1910	19 1.1
	31	15 33 26.35	1 34.68	21 59 36.6	5 27.5	9.868 4889	3 1791	18 58.8
Aug.	1	15 35 1.03	1 36.84	22 5 4.1	5 30.0	9.871 6680	3 1670	18 56.4
	2	15 36 37.87	1 38.97	22 10 34.1	5 32.1	9.874 8350	3 1543	18 54.1
	3	15 38 16.84	1 41.06	22 16 6.2	5 34.1	9.877 9893	3 1412	18 51.9
	4	15 39 57.90	1 43.13	22 21 40.3	5 35.5	9.881 1305	3 1276	18 49.7
	5	15 41 41.03	1 45.18	−22 27 15.8	5 36.8	9.884 2581	3 1136	18 47.5
	6	15 43 26.21	1 47.20	22 32 52.6	5 37.8	9.887 3717	3 0991	18 45.3
	7	15 45 13.41	1 49.19	22 38 30.4	5 38.2	9.890 4708	3 0842	18 43.2
	8	15 47 2.60	1 51.14	22 44 8.6	5 38.6	9.893 5550	3 0689	18 41.1
	9	15 48 53.74	1 53.07	22 49 47.2	5 38.5	9.896 6239	3 0532	18 39.0
	10	15 50 46.81	1 54.95	22 55 25.7	5 38.1	9.899 6771	3 0371	18 37.0
	11	15 52 41.76	1 56.82	−23 1 3.8	5 37.4	9.902 7142	3 0208	18 35.0
	12	15 54 38.58	1 58.64	23 6 41.2	5 36.4	9.905 7350	3 0044	18 33.0
	13	15 56 37.22	2 0.43	23 12 17.6	5 35.1	9.908 7394	2 9879	18 31.1
	14	15 58 37.65	2 2.20	23 17 52.7	5 33.4	9.911 7273	2 9713	18 29.2
	15	16 0 39.85	2 3.92	23 23 26.1	5 31.5	9.914 6986	2 9546	18 27.3
	16	16 2 43.77	2 5.62	23 28 57.6	5 29.2	9.917 6532	2 9380	18 25.4
	17	16 4 49.39	2 7.29	−23 34 26.8	5 26.6	9.920 5912	2 9213	18 23.6
	18	16 6 56.68	2 8.92	23 39 53.4	5 23.7	9.923 5125	2 9045	18 21.8
	19	16 9 5.60	2 10.53	23 45 17.1	5 20.4	9.926 4170	2 8879	18 20.0
	20	16 11 16.13	2 12.11	23 50 37.5	5 16.9	9.929 3049	2 8715	18 18.3
	21	16 13 28.24	2 13.65	23 55 54.4	5 13.1	9.932 1764	2 8553	18 16.6
	22	16 15 41.89	2 15.18	24 1 7.5	5 9.1	9.935 0317	2 8394	18 14.9
	23	16 17 57.07	2 16.68	−24 6 16.6	5 4.7	9.937 8711	2 8237	18 13.2
	24	16 20 13.75	2 18.16	24 11 21.3	5 0.1	9.940 6948	2 8083	18 11.6
	25	16 22 31.91	2 19.61	24 16 21.4	4 55.1	9.943 5031	2 7930	18 10.0
	26	16 24 51.52	2 21.05	24 21 16.5	4 49.9	9.946 2961	2 7779	18 8.4
	27	16 27 12.57	2 22.47	24 26 6.4	4 44.4	9.949 0740	2 7632	18 6.8
	28	16 29 35.04	2 23.87	24 30 50.8	4 38.6	9.951 8372	2 7484	18 5.2
	29	16 31 58.91	2 25.25	−24 35 29.4	4 32.6	9.954 5856	2 7338	18 3.7
	30	16 34 24.16	2 26.62	24 40 2.0	4 26.2	9.957 3194	2 7194	18 2.2
	31	16 36 50.78	2 27.97	24 44 28.2	4 19.7	9.960 0388	2 7049	18 0.7
Sept.	1	16 39 18.75	2 29.29	24 48 47.9	4 12.8	9.962 7437	2 6905	17 59.3
	2	16 41 48.04	2 30.61	24 53 0.7	4 5.7	9.965 4342	2 6760	17 57.8
	3	16 44 18.65		−24 57 6.4		9.968 1102		17 56.4

Tag	0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1937	h m s	m s	° ′ ″	′ ″			h m
Sept. 3	16 44 18.65	2 31.90	−24 57 6.4	3 58.3	9.968 1102	2 6617	17 56.4
4	16 46 50.55	2 33.17	25 1 4.7	3 50.8	9.970 7719	2 6473	17 55.0
5	16 49 23.72	2 34.42	25 4 55.5	3 42.8	9.973 4192	2 6328	17 53.6
6	16 51 58.14	2 35.65	25 8 38.3	3 34.7	9.976 0520	2 6183	17 52.3
7	16 54 33.79	2 36.84	25 12 13.0	3 26.4	9.978 6703	2 6039	17 51.0
8	16 57 10.63	2 38.01	25 15 39.4	3 17.8	9.981 2742	2 5894	17 49.7
9	16 59 48.64	2 39.17	−25 18 57.2	3 8.9	9.983 8636	2 5751	17 48.4
10	17 2 27.81	2 40.28	25 22 6.1	2 59.9	9.986 4387	2 5609	17 47.1
11	17 5 8.09	2 41.38	25 25 6.0	2 50.5	9.988 9996	2 5467	17 45.8
12	17 7 49.47	2 42.45	25 27 56.5	2 41.0	9.991 5463	2 5327	17 44.6
13	17 10 31.92	2 43.49	25 30 37.5	2 31.2	9.994 0790	2 5189	17 43.4
14	17 13 15.41	2 44.50	25 33 8.7	2 21.2	9.996 5979	2 5053	17 42.2
15	17 15 59.91	2 45.49	−25 35 29.9	2 11.0	9.999 1032	2 4919	17 41.0
16	17 18 45.40	2 46.45	25 37 40.9	2 0.7	0.001 5951	2 4786	17 39.8
17	17 21 31.85	2 47.38	25 39 41.6	1 50.0	0.004 0737	2 4657	17 38.6
18	17 24 19.23	2 48.30	25 41 31.6	1 39.3	0.006 5394	2 4529	17 37.5
19	17 27 7.53	2 49.18	25 43 10.9	1 28.2	0.008 9923	2 4406	17 36.4
20	17 29 56.71	2 50.04	25 44 39.1	1 17.1	0.011 4329	2 4285	17 35.3
21	17 32 46.75	2 50.87	−25 45 56.2	1 5.8	0.013 8614	2 4166	17 34.2
22	17 35 37.62	2 51.69	25 47 2.0	0 54.1	0.016 2780	2 4052	17 33.1
23	17 38 29.31	2 52.49	25 47 56.1	0 42.4	0.018 6832	2 3939	17 32.0
24	17 41 21.80	2 53.26	25 48 38.5	0 30.5	0.021 0771	2 3830	17 31.0
25	17 44 15.06	2 54.02	25 49 9.0	0 18.4	0.023 4601	2 3724	17 29.9
26	17 47 9.08	2 54.76	25 49 27.4	0 6.2	0.025 8325	2 3618	17 28.9
27	17 50 3.84	2 55.48	−25 49 33.6	0 6.1	0.028 1943	2 3515	17 27.9
28	17 52 59.32	2 56.18	25 49 27.5	0 18.7	0.030 5458	2 3413	17 26.9
29	17 55 55.50	2 56.87	25 49 8.8	0 31.3	0.032 8871	2 3311	17 25.9
30	17 58 52.37	2 57.54	25 48 37.5	0 44.2	0.035 2182	2 3211	17 24.9
Okt. 1	18 1 49.91	2 58.18	25 47 53.3	0 57.1	0.037 5393	2 3111	17 23.9
2	18 4 48.09	2 58.81	25 46 56.2	1 10.2	0.039 8504	2 3010	17 22.9
3	18 7 46.90	2 59.41	−25 45 46.0	1 23.4	0.042 1514	2 2910	17 22.0
4	18 10 46.31	2 59.98	25 44 22.6	1 36.7	0.044 4424	2 2811	17 21.0
5	18 13 46.29	3 0.53	25 42 45.9	1 50.1	0.046 7235	2 2711	17 20.1
6	18 16 46.82	3 1.06	25 40 55.8	2 3.7	0.048 9946	2 2612	17 19.2
7	18 19 47.88	3 1.56	25 38 52.1	2 17.2	0.051 2558	2 2513	17 18.2
8	18 22 49.44	3 2.03	25 36 34.9	2 30.9	0.053 5071	2 2416	17 17.3
9	18 25 51.47	3 2.49	−25 34 4.0	2 44.7	0.055 7487	2 2320	17 16.4
10	18 28 53.96	3 2.90	25 31 19.3	2 58.5	0.057 9807	2 2224	17 15.5
11	18 31 56.86	3 3.31	25 28 20.8	3 12.3	0.060 2031	2 2129	17 14.6
12	18 35 0.17	3 3.67	25 25 8.5	3 26.3	0.062 4160	2 2037	17 13.8
13	18 38 3.84	3 4.02	25 21 42.2	3 40.3	0.064 6197	2 1944	17 12.9
14	18 41 7.86		−25 18 1.9		0.066 8141		17 12.0

Tag		0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1937		h m s	m s	° ′ ″	′ ″			h m
Okt.	14	18 41 7.86	3 4.34	−25 18 1.9	3 54.3	0.066 8141	2 1853	17 12.0
	15	18 44 12.20	3 4.64	25 14 7.6	4 8.3	0.068 9994	2 1766	17 11.2
	16	18 47 16.84	3 4.90	25 9 59.3	4 22.5	0.071 1760	2 1679	17 10.3
	17	18 50 21.74	3 5.15	25 5 36.8	4 36.5	0.073 3439	2 1595	17 9.4
	18	18 53 26.89	3 5.37	25 1 0.3	4 50.7	0.075 5034	2 1513	17 8.6
	19	18 56 32.26	3 5.57	24 56 9.6	5 4.9	0.077 6547	2 1435	17 7.7
	20	18 59 37.83	3 5.75	−24 51 4.7	5 19.1	0.079 7982	2 1357	17 6.9
	21	19 2 43.58	3 5.91	24 45 45.6	5 33.2	0.081 9339	2 1284	17 6.0
	22	19 5 49.49	3 6.06	24 40 12.4	5 47.4	0.084 0623	2 1211	17 5.2
	23	19 8 55.55	3 6.18	24 34 25.0	6 1.6	0.086 1834	2 1141	17 4.4
	24	19 12 1.73	3 6.29	24 28 23.4	6 15.9	0.088 2975	2 1072	17 3.5
	25	19 15 8.02	3 6.38	24 22 7.5	6 30.0	0.090 4047	2 1005	17 2.7
	26	19 18 14.40	3 6.47	−24 15 37.5	6 44.1	0.092 5052	2 0939	17 1.8
	27	19 21 20.87	3 6.53	24 8 53.4	6 58.3	0.094 5991	2 0872	17 1.0
	28	19 24 27.40	3 6.59	24 1 55.1	7 12.5	0.096 6863	2 0806	17 0.2
	29	19 27 33.99	3 6.61	23 54 42.6	7 26.5	0.098 7669	2 0741	16 59.4
	30	19 30 40.60	3 6.64	23 47 16.1	7 40.6	0.100 8410	2 0676	16 58.5
	31	19 33 47.24	3 6.64	23 39 35.5	7 54.6	0.102 9086	2 0610	16 57.7
Nov.	1	19 36 53.88	3 6.62	−23 31 40.9	8 8.5	0.104 9696	2 0544	16 56.9
	2	19 40 0.50	3 6.59	23 23 32.4	8 22.4	0.107 0240	2 0477	16 56.0
	3	19 43 7.09	3 6.54	23 15 10.0	8 36.2	0.109 0717	2 0411	16 55.2
	4	19 46 13.63	3 6.48	23 6 33.8	8 49.9	0.111 1128	2 0345	16 54.3
	5	19 49 20.11	3 6.39	22 57 43.9	9 3.5	0.113 1473	2 0278	16 53.5
	6	19 52 26.50	3 6.29	22 48 40.4	9 17.0	0.115 1751	2 0213	16 52.7
	7	19 55 32.79	3 6.17	−22 39 23.4	9 30.4	0.117 1964	2 0148	16 51.8
	8	19 58 38.96	3 6.03	22 29 53.0	9 43.7	0.119 2112	2 0083	16 51.0
	9	20 1 44.99	3 5.88	22 20 9.3	9 57.0	0.121 2195	2 0017	16 50.2
	10	20 4 50.87	3 5.71	22 10 12.3	10 10.1	0.123 2212	1 9953	16 49.3
	11	20 7 56.58	3 5.53	22 0 2.2	10 23.0	0.125 2165	1 9890	16 48.5
	12	20 11 2.11	3 5.33	21 49 39.2	10 35.9	0.127 2055	1 9827	16 47.6
	13	20 14 7.44	3 5.12	−21 39 3.3	10 48.6	0.129 1882	1 9766	16 46.8
	14	20 17 12.56	3 4.89	21 28 14.7	11 1.2	0.131 1648	1 9706	16 45.9
	15	20 20 17.45	3 4.64	21 17 13.5	11 13.6	0.133 1354	1 9647	16 45.0
	16	20 23 22.09	3 4.39	21 5 59.9	11 26.0	0.135 1001	1 9591	16 44.2
	17	20 26 26.48	3 4.13	20 54 33.9	11 38.2	0.137 0592	1 9534	16 43.3
	18	20 29 30.61	3 3.85	20 42 55.7	11 50.2	0.139 0126	1 9480	16 42.4
	19	20 32 34.46	3 3.56	−20 31 5.5	12 2.2	0.140 9606	1 9426	16 41.5
	20	20 35 38.02	3 3.28	20 19 3.3	12 13.9	0.142 9032	1 9375	16 40.7
	21	20 38 41.30	3 2.99	20 6 49.4	12 25.6	0.144 8407	1 9325	16 39.8
	22	20 41 44.29	3 2.69	19 54 23.8	12 37.2	0.146 7732	1 9277	16 38.9
	23	20 44 46.98	3 2.39	19 41 46.6	12 48.6	0.148 7009	1 9229	16 38.0
	24	20 47 49.37		−19 28 58.0		0.150 6238		16 37.1

Tag	0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1937	h m s	m s	° ′ ″	′ ″			h m
Nov. 24	20 47 49.37	3 2.09	−19 28 58.0	12 59.8	0.150 6238	1 9181	16 37.1
25	20 50 51.46	3 1.79	19 15 58.2	13 11.0	0.152 5419	1 9133	16 36.1
26	20 53 53.25	3 1.47	19 2 47.2	13 21.9	0.154 4552	1 9085	16 35.2
27	20 56 54.72	3 1.15	18 49 25.3	13 32.8	0.156 3637	1 9035	16 34.3
28	20 59 55.87	3 0.84	18 35 52.5	13 43.5	0.158 2672	1 8985	16 33.4
29	21 2 56.71	3 0.51	18 22 9.0	13 53.9	0.160 1657	1 8935	16 32.5
30	21 5 57.22	3 0.18	−18 8 15.1	14 4.2	0.162 0592	1 8883	16 31.5
Dez. 1	21 8 57.40	2 59.85	17 54 10.9	14 14.3	0.163 9475	1 8832	16 30.6
2	21 11 57.25	2 59.52	17 39 56.6	14 24.3	0.165 8307	1 8780	16 29.6
3	21 14 56.77	2 59.18	17 25 32.3	14 34.0	0.167 7087	1 8726	16 28.7
4	21 17 55.95	2 58.83	17 10 58.3	14 43.7	0.169 5813	1 8674	16 27.7
5	21 20 54.78	2 58.49	16 56 14.6	14 53.2	0.171 4487	1 8621	16 26.7
6	21 23 53.27	2 58.14	−16 41 21.4	15 2.3	0.173 3108	1 8567	16 25.8
7	21 26 51.41	2 57.78	16 26 19.1	15 11.3	0.175 1675	1 8513	16 24.8
8	21 29 49.19	2 57.42	16 11 7.8	15 20.2	0.177 0188	1 8459	16 23.8
9	21 32 46.61	2 57.05	15 55 47.6	15 28.7	0.178 8647	1 8405	16 22.8
10	21 35 43.66	2 56.69	15 40 18.9	15 37.1	0.180 7052	1 8351	16 21.8
11	21 38 40.35	2 56.32	15 24 41.8	15 45.4	0.182 5403	1 8297	16 20.8
12	21 41 36.67	2 55.95	−15 8 56.4	15 53.4	0.184 3700	1 8244	16 19.8
13	21 44 32.62	2 55.58	14 53 3.0	16 1.2	0.186 1944	1 8192	16 18.8
14	21 47 28.20	2 55.20	14 37 1.8	16 8.9	0.188 0136	1 8140	16 17.8
15	21 50 23.40	2 54.83	14 20 52.9	16 16.4	0.189 8276	1 8089	16 16.8
16	21 53 18.23	2 54.46	14 4 36.5	16 23.6	0.191 6365	1 8039	16 15.7
17	21 56 12.69	2 54.09	13 48 12.9	16 30.7	0.193 4404	1 7991	16 14.7
18	21 59 6.78	2 53.73	−13 31 42.2	16 37.6	0.195 2395	1 7943	16 13.7
19	22 2 0.51	2 53.36	13 15 4.6	16 44.3	0.197 0338	1 7895	16 12.6
20	22 4 53.87	2 53.00	12 58 20.3	16 50.8	0.198 8233	1 7850	16 11.6
21	22 7 46.87	2 52.65	12 41 29.5	16 57.3	0.200 6083	1 7804	16 10.5
22	22 10 39.52	2 52.30	12 24 32.2	17 3.5	0.202 3887	1 7757	16 9.4
23	22 13 31.82	2 51.97	12 7 28.7	17 9.5	0.204 1644	1 7711	16 8.3
24	22 16 23.79	2 51.62	−11 50 19.2	17 15.3	0.205 9355	1 7664	16 7.3
25	22 19 15.41	2 51.30	11 33 3.9	17 21.0	0.207 7019	1 7616	16 6.2
26	22 22 6.71	2 50.98	11 15 42.9	17 26.5	0.209 4635	1 7567	16 5.1
27	22 24 57.69	2 50.66	10 58 16.4	17 31.8	0.211 2202	1 7518	16 4.0
28	22 27 48.35	2 50.35	10 40 44.6	17 36.9	0.212 9720	1 7468	16 2.9
29	22 30 38.70	2 50.04	10 23 7.7	17 41.9	0.214 7188	1 7416	16 1.8
30	22 33 28.74	2 49.74	−10 5 25.8	17 46.6	0.216 4604	1 7365	16 0.7
31	22 36 18.48	2 49.44	9 47 39.2	17 51.1	0.218 1969	1 7312	15 59.6
32	22 39 7.92		− 9 29 48.1		0.219 9281		15 58.4

Jupiter 1937

Tag	0h Welt-Zeit						Obere Kulmination in Greenwich
	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1937	h m s	s	° ′ ″	′ ″			h m
Jan. 0	18 28 26.03	60.10	−23 12 49.0	0 35.9	0.793 1105	849	11 50.0
1	18 29 26.13	60.09	23 12 13.1	0 37.3	0.793 0256	1000	11 47.1
2	18 30 26.22	60.05	23 11 35.8	0 38.8	0.792 9256	1151	11 44.2
3	18 31 26.27	60.02	23 10 57.0	0 40.1	0.792 8105	1302	11 41.2
4	18 32 26.29	59.97	23 10 16.9	0 41.6	0.792 6803	1452	11 38.3
5	18 33 26.26	59.93	23 9 35.3	0 43.0	0.792 5351	1604	11 35.3
6	18 34 26.19	59.87	−23 8 52.3	0 44.4	0.792 3747	1756	11 32.4
7	18 35 26.06	59.81	23 8 7.9	0 45.8	0.792 1991	1907	11 29.5
8	18 36 25.87	59.74	23 7 22.1	0 47.1	0.792 0084	2059	11 26.5
9	18 37 25.61	59.67	23 6 35.0	0 48.5	0.791 8025	2211	11 23.6
10	18 38 25.28	59.59	23 5 46.5	0 49.8	0.791 5814	2363	11 20.6
11	18 39 24.87	59.50	23 4 56.7	0 51.1	0.791 3451	2514	11 17.7
12	18 40 24.37	59.40	−23 4 5.6	0 52.5	0.791 0937	2666	11 14.7
13	18 41 23.77	59.30	23 3 13.1	0 53.7	0.790 8271	2816	11 11.8
14	18 42 23.07	59.19	23 2 19.4	0 55.0	0.790 5455	2967	11 8.9
15	18 43 22.26	59.08	23 1 24.4	0 56.2	0.790 2488	3118	11 5.9
16	18 44 21.34	58.95	23 0 28.2	0 57.5	0.789 9370	3269	11 3.0
17	18 45 20.29	58.82	22 59 30.7	0 58.8	0.789 6101	3420	11 0.0
18	18 46 19.11	58.68	−22 58 31.9	1 0.0	0.789 2681	3568	10 57.0
19	18 47 17.79	58.54	22 57 31.9	1 1.2	0.788 9113	3718	10 54.1
20	18 48 16.33	58.40	22 56 30.7	1 2.3	0.788 5395	3866	10 51.1
21	18 49 14.73	58.24	22 55 28.4	1 3.5	0.788 1529	4014	10 48.1
22	18 50 12.97	58.08	22 54 24.9	1 4.6	0.787 7515	4162	10 45.2
23	18 51 11.05	57.91	22 53 20.3	1 5.8	0.787 3353	4309	10 42.2
24	18 52 8.96	57.74	−22 52 14.5	1 6.9	0.786 9044	4455	10 39.2
25	18 53 6.70	57.56	22 51 7.6	1 7.9	0.786 4589	4602	10 36.3
26	18 54 4.26	57.38	22 49 59.7	1 9.1	0.785 9987	4748	10 33.3
27	18 55 1.64	57.20	22 48 50.6	1 10.0	0.785 5239	4894	10 30.3
28	18 55 58.84	57.00	22 47 40.6	1 11.1	0.785 0345	5040	10 27.3
29	18 56 55.84	56.80	22 46 29.5	1 12.2	0.784 5305	5185	10 24.3
30	18 57 52.64	56.60	−22 45 17.3	1 13.1	0.784 0120	5330	10 21.3
31	18 58 49.24	56.40	22 44 4.2	1 14.1	0.783 4790	5476	10 18.3
Febr. 1	18 59 45.64	56.17	22 42 50.1	1 15.0	0.782 9314	5620	10 15.3
2	19 0 41.81	55.95	22 41 35.1	1 15.9	0.782 3694	5766	10 12.3
3	19 1 37.76	55.72	22 40 19.2	1 16.8	0.781 7928	5910	10 9.3
4	19 2 33.48	55.49	22 39 2.4	1 17.7	0.781 2018	6055	10 6.3
5	19 3 28.97	55.24	−22 37 44.7	1 18.5	0.780 5963	6200	10 3.3
6	19 4 24.21	54.99	22 36 26.2	1 19.3	0.779 9763	6343	10 0.3
7	19 5 19.20	54.74	22 35 6.9	1 20.1	0.779 3420	6487	9 57.3
8	19 6 13.94	54.48	22 33 46.8	1 20.8	0.778 6933	6630	9 54.3
9	19 7 8.42	54.20	22 32 26.0	1 21.5	0.778 0303	6772	9 51.2
10	19 8 2.62		−22 31 4.5		0.777 3531		9 48.2

Tag	0ʰ Welt-Zeit						Obere Kulmination in Greenwich
	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1937	h m s	s	° ′ ″	′ ″			h m
Febr. 10	19 8 2.62	53.92	−22 31 4.5	1 22.2	0.777 3531	6913	9 48.2
11	19 8 56.54	53.64	22 29 42.3	1 22.9	0.776 6618	7055	9 45.2
12	19 9 50.18	53.35	22 28 19.4	1 23.5	0.775 9563	7196	9 42.1
13	19 10 43.53	53.05	22 26 55.9	1 24.1	0.775 2367	7335	9 39.1
14	19 11 36.58	52.74	22 25 31.8	1 24.7	0.774 5032	7475	9 36.0
15	19 12 29.32	52.43	22 24 7.1	1 25.2	0.773 7557	7612	9 32.9
16	19 13 21.75	52.11	−22 22 41.9	1 25.6	0.772 9945	7750	9 29.9
17	19 14 13.86	51.79	22 21 16.3	1 26.2	0.772 2195	7886	9 26.8
18	19 15 5.65	51.46	22 19 50.1	1 26.6	0.771 4309	8020	9 23.7
19	19 15 57.11	51.11	22 18 23.5	1 27.0	0.770 6289	8155	9 20.7
20	19 16 48.22	50.78	22 16 56.5	1 27.4	0.769 8134	8287	9 17.6
21	19 17 39.00	50.43	22 15 29.1	1 27.7	0.768 9847	8420	9 14.5
22	19 18 29.43	50.08	−22 14 1.4	1 28.0	0.768 1427	8552	9 11.4
23	19 19 19.51	49.72	22 12 33.4	1 28.3	0.767 2875	8683	9 8.3
24	19 20 9.23	49.36	22 11 5.1	1 28.6	0.766 4192	8813	9 5.2
25	19 20 58.59	48.99	22 9 36.5	1 28.8	0.765 5379	8943	9 2.1
26	19 21 47.58	48.61	22 8 7.7	1 29.0	0.764 6436	9071	8 58.9
27	19 22 36.19	48.24	22 6 38.7	1 29.1	0.763 7365	9200	8 55.8
28	19 23 24.43	47.85	−22 5 9.6	1 29.3	0.762 8165	9327	8 52.7
März 1	19 24 12.28	47.45	22 3 40.3	1 29.3	0.761 8838	9454	8 49.5
2	19 24 59.73	47.05	22 2 11.0	1 29.3	0.760 9384	9580	8 46.4
3	19 25 46.78	46.64	22 0 41.7	1 29.4	0.759 9804	9705	8 43.2
4	19 26 33.42	46.22	21 59 12.3	1 29.3	0.759 0099	9829	8 40.1
5	19 27 19.64	45.81	21 57 43.0	1 29.3	0.758 0270	9953	8 36.9
6	19 28 5.45	45.38	−21 56 13.7	1 29.1	0.757 0317	1 0075	8 33.7
7	19 28 50.83	44.94	21 54 44.6	1 29.0	0.756 0242	1 0197	8 30.6
8	19 29 35.77	44.50	21 53 15.6	1 28.8	0.755 0045	1 0318	8 27.4
9	19 30 20.27	44.05	21 51 46.8	1 28.5	0.753 9727	1 0438	8 24.2
10	19 31 4.32	43.59	21 50 18.3	1 28.3	0.752 9289	1 0555	8 21.0
11	19 31 47.91	43.13	21 48 50.0	1 27.9	0.751 8734	1 0672	8 17.7
12	19 32 31.04	42.66	−21 47 22.1	1 27.6	0.750 8062	1 0788	8 14.5
13	19 33 13.70	42.18	21 45 54.5	1 27.2	0.749 7274	1 0901	8 11.3
14	19 33 55.88	41.69	21 44 27.3	1 26.8	0.748 6373	1 1014	8 8.1
15	19 34 37.57	41.19	21 43 0.5	1 26.3	0.747 5359	1 1124	8 4.8
16	19 35 18.76	40.70	21 41 34.2	1 25.8	0.746 4235	1 1233	8 1.6
17	19 35 59.46	40.19	21 40 8.4	1 25.2	0.745 3002	1 1339	7 58.3
18	19 36 39.65	39.68	−21 38 43.2	1 24.6	0.744 1663	1 1444	7 55.0
19	19 37 19.33	39.16	21 37 18.6	1 24.0	0.743 0219	1 1547	7 51.8
20	19 37 58.49	38.64	21 35 54.6	1 23.3	0.741 8672	1 1649	7 48.5
21	19 38 37.13	38.11	21 34 31.3	1 22.6	0.740 7023	1 1750	7 45.2
22	19 39 15.24	37.58	21 33 8.7	1 21.8	0.739 5273	1 1849	7 41.9
23	19 39 52.82		−21 31 46.9		0.738 3424		7 38.6

Tag	0h Welt-Zeit						Obere Kulmination in Greenwich
	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1937	h m s	s	° ′ ″	′ ″			h m
März 23	19 39 52.82	37.04	−21 31 46.9	1 21.1	0.738 3424	1 1946	7 38.6
24	19 40 29.86	36.49	21 30 25.8	1 20.3	0.737 1478	1 2041	7 35.3
25	19 41 6.35	35.94	21 29 5.5	1 19.4	0.735 9437	1 2135	7 31.9
26	19 41 42.29	35.39	21 27 46.1	1 18.6	0.734 7302	1 2227	7 28.6
27	19 42 17.68	34.82	21 26 27.5	1 17.6	0.733 5075	1 2318	7 25.2
28	19 42 52.50	34.25	21 25 9.9	1 16.6	0.732 2757	1 2407	7 21.9
29	19 43 26.75	33.68	−21 23 53.3	1 15.6	0.731 0350	1 2493	7 18.5
30	19 44 0.43	33.09	21 22 37.7	1 14.6	0.729 7857	1 2579	7 15.1
31	19 44 33.52	32.50	21 21 23.1	1 13.5	0.728 5278	1 2663	7 11.7
April 1	19 45 6.02	31.90	21 20 9.6	1 12.4	0.727 2615	1 2744	7 8.3
2	19 45 37.92	31.31	21 18 57.2	1 11.2	0.725 9871	1 2824	7 4.9
3	19 46 9.23	30.69	21 17 46.0	1 10.0	0.724 7047	1 2902	7 1.5
4	19 46 39.92	30.08	−21 16 36.0	1 8.7	0.723 4145	1 2979	6 58.1
5	19 47 10.00	29.45	21 15 27.3	1 7.4	0.722 1166	1 3052	6 54.7
6	19 47 39.45	28.82	21 14 19.9	1 6.1	0.720 8114	1 3124	6 51.2
7	19 48 8.27	28.18	21 13 13.8	1 4.7	0.719 4990	1 3192	6 47.8
8	19 48 36.45	27.53	21 12 9.1	1 3.3	0.718 1798	1 3259	6 44.3
9	19 49 3.98	26.89	21 11 5.8	1 1.8	0.716 8539	1 3321	6 40.8
10	19 49 30.87	26.22	−21 10 4.0	1 0.3	0.715 5218	1 3382	6 37.3
11	19 49 57.09	25.56	21 9 3.7	0 58.8	0.714 1836	1 3439	6 33.8
12	19 50 22.65	24.88	21 8 4.9	0 57.2	0.712 8397	1 3494	6 30.3
13	19 50 47.53	24.20	21 7 7.7	0 55.6	0.711 4903	1 3545	6 26.8
14	19 51 11.73	23.52	21 6 12.1	0 54.0	0.710 1358	1 3594	6 23.3
15	19 51 35.25	22.83	21 5 18.1	0 52.2	0.708 7764	1 3639	6 19.7
16	19 51 58.08	22.14	−21 4 25.9	0 50.6	0.707 4125	1 3682	6 16.2
17	19 52 20.22	21.44	21 3 35.3	0 48.9	0.706 0443	1 3720	6 12.6
18	19 52 41.66	20.74	21 2 46.4	0 47.1	0.704 6723	1 3756	6 9.0
19	19 53 2.40	20.04	21 1 59.3	0 45.3	0.703 2967	1 3789	6 5.4
20	19 53 22.44	19.33	21 1 14.0	0 43.5	0.701 9178	1 3819	6 1.8
21	19 53 41.77	18.61	21 0 30.5	0 41.6	0.700 5359	1 3846	5 58.2
22	19 54 0.38	17.88	−20 59 48.9	0 39.8	0.699 1513	1 3870	5 54.6
23	19 54 18.26	17.16	20 59 9.1	0 37.9	0.697 7643	1 3891	5 50.9
24	19 54 35.42	16.43	20 58 31.2	0 36.0	0.696 3752	1 3908	5 47.3
25	19 54 51.85	15.70	20 57 55.2	0 34.1	0.694 9844	1 3923	5 43.6
26	19 55 7.55	14.96	20 57 21.1	0 32.0	0.693 5921	1 3934	5 40.0
27	19 55 22.51	14.22	20 56 49.1	0 30.1	0.692 1987	1 3941	5 36.3
28	19 55 36.73	13.47	−20 56 19.0	0 28.0	0.690 8046	1 3946	5 32.6
29	19 55 50.20	12.71	20 55 51.0	0 26.0	0.689 4100	1 3946	5 28.8
30	19 56 2.91	11.96	20 55 25.0	0 23.9	0.688 0154	1 3944	5 25.1
Mai 1	19 56 14.87	11.20	20 55 1.1	0 21.7	0.686 6210	1 3938	5 21.4
2	19 56 26.07	10.43	20 54 39.4	0 19.6	0.685 2272	1 3927	5 17.6
3	19 56 36.50		−20 54 19.8		0.683 8345		5 13.9

Tag	0h Welt-Zeit: Scheinbare Rektaszension		0h Welt-Zeit: Scheinbare Deklination		0h Welt-Zeit: log Δ		Obere Kulmination in Greenwich
1937	h m s	s	° ′ ″	″			h m
Mai 3	19 56 36.50	9.66	−20 54 19.8	17.5	0.683 8345	1 3912	5 13.9
4	19 56 46.16	8.88	20 54 2.3	15.3	0.682 4433	1 3894	5 10.1
5	19 56 55.04	8.11	20 53 47.0	13.1	0.681 0539	1 3871	5 6.3
6	19 57 3.15	7.31	20 53 33.9	10.9	0.679 6668	1 3844	5 2.5
7	19 57 10.46	6.53	20 53 23.0	8.7	0.678 2824	1 3812	4 58.7
8	19 57 16.99	5.74	20 53 14.3	6.5	0.676 9012	1 3776	4 54.9
9	19 57 22.73	4.95	−20 53 7.8	4.1	0.675 5236	1 3736	4 51.0
10	19 57 27.68	4.15	20 53 3.7	2.0	0.674 1500	1 3689	4 47.2
11	19 57 31.83	3.36	20 53 1.7	0.3	0.672 7811	1 3638	4 43.3
12	19 57 35.19	2.56	20 53 2.0	2.6	0.671 4173	1 3583	4 39.4
13	19 57 37.75	1.76	20 53 4.6	4.9	0.670 0590	1 3521	4 35.5
14	19 57 39.51	0.96	20 53 9.5	7.1	0.668 7069	1 3456	4 31.6
15	19 57 40.47	0.17	−20 53 16.6	9.4	0.667 3613	1 3386	4 27.7
16	19 57 40.64	0.63	20 53 26.0	11.7	0.666 0227	1 3311	4 23.8
17	19 57 40.01	1.43	20 53 37.7	13.9	0.664 6916	1 3231	4 19.9
18	19 57 38.58	2.21	20 53 51.6	16.1	0.663 3685	1 3147	4 15.9
19	19 57 36.37	3.01	20 54 7.7	18.4	0.662 0538	1 3057	4 11.9
20	19 57 33.36	3.80	20 54 26.1	20.6	0.660 7481	1 2964	4 7.9
21	19 57 29.56	4.58	−20 54 46.7	22.8	0.659 4517	1 2864	4 3.9
22	19 57 24.98	5.37	20 55 9.5	25.0	0.658 1653	1 2761	3 59.9
23	19 57 19.61	6.15	20 55 34.5	27.2	0.656 8892	1 2653	3 55.9
24	19 57 13.46	6.94	20 56 1.7	29.4	0.655 6239	1 2539	3 51.9
25	19 57 6.52	7.71	20 56 31.1	31.6	0.654 3700	1 2422	3 47.8
26	19 56 58.81	8.49	20 57 2.7	33.7	0.653 1278	1 2298	3 43.8
27	19 56 50.32	9.26	−20 57 36.4	35.9	0.651 8980	1 2171	3 39.7
28	19 56 41.06	10.03	20 58 12.3	38.0	0.650 6809	1 2038	3 35.6
29	19 56 31.03	10.80	20 58 50.3	40.2	0.649 4771	1 1901	3 31.5
30	19 56 20.23	11.56	20 59 30.5	42.2	0.648 2870	1 1757	3 27.4
31	19 56 8.67	12.32	21 0 12.7	44.2	0.647 1113	1 1609	3 23.3
Juni 1	19 55 56.35	13.07	21 0 56.9	46.3	0.645 9504	1 1455	3 19.1
2	19 55 43.28	13.82	−21 1 43.2	48.3	0.644 8049	1 1295	3 15.0
3	19 55 29.46	14.56	21 2 31.5	50.2	0.643 6754	1 1130	3 10.8
4	19 55 14.90	15.30	21 3 21.7	52.2	0.642 5624	1 0960	3 6.6
5	19 54 59.60	16.02	21 4 13.9	54.1	0.641 4664	1 0783	3 2.4
6	19 54 43.58	16.74	21 5 8.0	56.0	0.640 3881	1 0601	2 58.3
7	19 54 26.84	17.45	21 6 4.0	57.7	0.639 3280	1 0414	2 54.1
8	19 54 9.39	18.15	−21 7 1.7	59.5	0.638 2866	1 0221	2 49.8
9	19 53 51.24	18.84	21 8 1.2	61.3	0.637 2645	1 0023	2 45.6
10	19 53 32.40	19.52	21 9 2.5	62.9	0.636 2622	9820	2 41.3
11	19 53 12.88	20.19	21 10 5.4	64.6	0.635 2802	9610	2 37.1
12	19 52 52.69	20.83	21 11 10.0	66.2	0.634 3192	9397	2 32.8
13	19 52 31.86		−21 12 16.2		0.633 3795		2 28.5

Tag	0h Welt-Zeit: Scheinbare Rektaszension	Diff.	Scheinbare Deklination	Diff.	log Δ	Diff.	Obere Kulmination in Greenwich
1937	h m s	s	° ′ ″	′ ″			h m
Juni 13	19 52 31.86	21.47	−21 12 16.2	1 7.6	0.633 3795	9177	2 28.5
14	19 52 10.39	22.10	21 13 23.8	1 9.1	0.632 4618	8953	2 24.2
15	19 51 48.29	22.71	21 14 32.9	1 10.5	0.631 5665	8725	2 19.9
16	19 51 25.58	23.31	21 15 43.4	1 11.8	0.630 6940	8492	2 15.6
17	19 51 2.27	23.89	21 16 55.2	1 13.1	0.629 8448	8256	2 11.3
18	19 50 38.38	24.45	21 18 8.3	1 14.4	0.629 0192	8015	2 7.0
19	19 50 13.93	25.01	−21 19 22.7	1 15.6	0.628 2177	7771	2 2.7
20	19 49 48.92	25.55	21 20 38.3	1 16.6	0.627 4406	7521	1 58.3
21	19 49 23.37	26.07	21 21 54.9	1 17.8	0.626 6885	7268	1 54.0
22	19 48 57.30	26.57	21 23 12.7	1 18.7	0.625 9617	7012	1 49.6
23	19 48 30.73	27.06	21 24 31.4	1 19.6	0.625 2605	6751	1 45.2
24	19 48 3.67	27.54	21 25 51.0	1 20.5	0.624 5854	6487	1 40.8
25	19 47 36.13	27.99	−21 27 11.5	1 21.4	0.623 9367	6218	1 36.4
26	19 47 8.14	28.43	21 28 32.9	1 22.1	0.623 3149	5947	1 32.0
27	19 46 39.71	28.85	21 29 55.0	1 22.8	0.622 7202	5671	1 27.6
28	19 46 10.86	29.26	21 31 17.8	1 23.4	0.622 1531	5393	1 23.2
29	19 45 41.60	29.64	21 32 41.2	1 24.0	0.621 6138	5111	1 18.8
30	19 45 11.96	30.01	21 34 5.2	1 24.5	0.621 1027	4826	1 14.4
Juli 1	19 44 41.95	30.35	−21 35 29.7	1 25.0	0.620 6201	4537	1 10.0
2	19 44 11.60	30.68	21 36 54.7	1 25.4	0.620 1664	4246	1 5.5
3	19 43 40.92	30.99	21 38 20.1	1 25.7	0.619 7418	3950	1 1.1
4	19 43 9.93	31.27	21 39 45.8	1 25.9	0.619 3468	3652	0 56.6
5	19 42 38.66	31.53	21 41 11.7	1 26.1	0.618 9816	3352	0 52.2
6	19 42 7.13	31.76	21 42 37.8	1 26.2	0.618 6464	3050	0 47.7
7	19 41 35.37	31.97	−21 44 4.0	1 26.3	0.618 3414	2745	0 43.3
8	19 41 3.40	32.17	21 45 30.3	1 26.2	0.618 0669	2439	0 38.8
9	19 40 31.23	32.33	21 46 56.5	1 26.1	0.617 8230	2132	0 34.4
10	19 39 58.90	32.47	21 48 22.6	1 25.9	0.617 6098	1822	0 29.9
11	19 39 26.43	32.59	21 49 48.5	1 25.7	0.617 4276	1512	0 25.4
12	19 38 53.84	32.68	21 51 14.2	1 25.4	0.617 2764	1202	0 21.0
13	19 38 21.16	32.75	−21 52 39.6	1 25.1	0.617 1562	891	0 16.5
14	19 37 48.41	32.79	21 54 4.7	1 24.6	0.617 0671	580	0 12.0
15	19 37 15.62	32.82	21 55 29.3	1 24.2	0.617 0091	268	0 7.5
16	19 36 42.80	32.81	21 56 53.5	1 23.6	0.616 9823	42	{ 0 3.1 / 23 58.6 }
17	19 36 9.99	32.78	21 58 17.1	1 23.0	0.616 9865	352	23 54.1
18	19 35 37.21	32.73	21 59 40.1	1 22.4	0.617 0217	661	23 49.6
19	19 35 4.48	32.66	−22 1 2.5	1 21.7	0.617 0878	970	23 45.2
20	19 34 31.82	32.56	22 2 24.2	1 21.0	0.617 1848	1278	23 40.7
21	19 33 59.26	32.45	22 3 45.2	1 20.2	0.617 3126	1584	23 36.2
22	19 33 26.81	32.30	22 5 5.4	1 19.3	0.617 4710	1889	23 31.8
23	19 32 54.51	32.14	22 6 24.7	1 18.5	0.617 6599	2194	23 27.3
24	19 32 22.37		−22 7 43.2		0.617 8793		23 22.8

Tag		0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1937		h m s	s	° ′ ″	′ ″			h m
Juli	24	19 32 22.37	31.95	−22 7 43.2	1 17.6	0.617 8793	2497	23 22.8
	25	19 31 50.42	31.75	22 9 0.8	1 16.6	0.618 1290	2797	23 18.4
	26	19 31 18.67	31.52	22 10 17.4	1 15.7	0.618 4087	3097	23 13.9
	27	19 30 47.15	31.26	22 11 33.1	1 14.6	0.618 7184	3394	23 9.5
	28	19 30 15.89	30.99	22 12 47.7	1 13.4	0.619 0578	3689	23 5.0
	29	19 29 44.90	30.69	22 14 1.1	1 12.4	0.619 4267	3983	23 0.6
	30	19 29 14.21	30.38	−22 15 13.5	1 11.3	0.619 8250	4274	22 56.1
	31	19 28 43.83	30.05	22 16 24.8	1 10.1	0.620 2524	4564	22 51.7
Aug.	1	19 28 13.78	29.69	22 17 34.9	1 8.8	0.620 7088	4851	22 47.3
	2	19 27 44.09	29.31	22 18 43.7	1 7.6	0.621 1939	5135	22 42.9
	3	19 27 14.78	28.90	22 19 51.3	1 6.3	0.621 7074	5415	22 38.4
	4	19 26 45.88	28.47	22 20 57.6	1 5.0	0.622 2489	5693	22 34.0
	5	19 26 17.41	28.03	−22 22 2.6	1 3.7	0.622 8182	5966	22 29.6
	6	19 25 49.38	27.55	22 23 6.3	1 2.2	0.623 4148	6236	22 25.3
	7	19 25 21.83	27.07	22 24 8.5	1 0.9	0.624 0384	6502	22 20.9
	8	19 24 54.76	26.57	22 25 9.4	0 59.4	0.624 6886	6765	22 16.5
	9	19 24 28.19	26.04	22 26 8.8	0 58.0	0.625 3651	7022	22 12.1
	10	19 24 2.15	25.50	22 27 6.8	0 56.5	0.626 0673	7275	22 7.8
	11	19 23 36.65	24.94	−22 28 3.3	0 55.0	0.626 7948	7523	22 3.4
	12	19 23 11.71	24.36	22 28 58.3	0 53.5	0.627 5471	7766	21 59.1
	13	19 22 47.35	23.76	22 29 51.8	0 52.0	0.628 3237	8005	21 54.8
	14	19 22 23.59	23.16	22 30 43.8	0 50.5	0.629 1242	8239	21 50.5
	15	19 22 0.43	22.53	22 31 34.3	0 49.0	0.629 9481	8467	21 46.2
	16	19 21 37.90	21.90	22 32 23.3	0 47.4	0.630 7948	8692	21 41.9
	17	19 21 16.00	21.24	−22 33 10.7	0 45.9	0.631 6640	8910	21 37.6
	18	19 20 54.76	20.58	22 33 56.6	0 44.4	0.632 5550	9125	21 33.3
	19	19 20 34.18	19.91	22 34 41.0	0 42.8	0.633 4675	9333	21 29.0
	20	19 20 14.27	19.23	22 35 23.8	0 41.2	0.634 4008	9536	21 24.8
	21	19 19 55.04	18.53	22 36 5.0	0 39.7	0.635 3544	9735	21 20.6
	22	19 19 36.51	17.82	22 36 44.7	0 38.1	0.636 3279	9929	21 16.3
	23	19 19 18.69	17.11	−22 37 22.8	0 36.5	0.637 3208	1 0117	21 12.1
	24	19 19 1.58	16.38	22 37 59.3	0 35.0	0.638 3325	1 0302	21 7.9
	25	19 18 45.20	15.64	22 38 34.3	0 33.4	0.639 3627	1 0481	21 3.7
	26	19 18 29.56	14.90	22 39 7.7	0 31.8	0.640 4108	1 0655	20 59.5
	27	19 18 14.66	14.15	22 39 39.5	0 30.2	0.641 4763	1 0825	20 55.4
	28	19 18 0.51	13.39	22 40 9.7	0 28.7	0.642 5588	1 0989	20 51.2
	29	19 17 47.12	12.62	−22 40 38.4	0 27.1	0.643 6577	1 1148	20 47.1
	30	19 17 34.50	11.84	22 41 5.5	0 25.6	0.644 7725	1 1302	20 42.9
	31	19 17 22.66	11.05	22 41 31.1	0 24.0	0.645 9027	1 1452	20 38.8
Sept.	1	19 17 11.61	10.26	22 41 55.1	0 22.3	0.647 0479	1 1596	20 34.7
	2	19 17 1.35	9.45	22 42 17.4	0 20.7	0.648 2075	1 1734	20 30.6
	3	19 16 51.90		−22 42 38.1		0.649 3809		20 26.5

Tag	0ʰ Welt-Zeit: Scheinbare Rektaszension		0ʰ Welt-Zeit: Scheinbare Deklination		0ʰ Welt-Zeit: log Δ		Obere Kulmination in Greenwich
1937	h m s	s	° ′ ″	″			h m
Sept. 3	19 16 51.90	8.65	−22 42 38.1	19.1	0.649 3809	1 1868	20 26.5
4	19 16 43.25	7.84	22 42 57.2	17.5	0.650 5677	1 1995	20 22.5
5	19 16 35.41	7.02	22 43 14.7	15.9	0.651 7672	1 2117	20 18.4
6	19 16 28.39	6.19	22 43 30.6	14.4	0.652 9789	1 2234	20 14.4
7	19 16 22.20	5.36	22 43 45.0	12.8	0.654 2023	1 2344	20 10.4
8	19 16 16.84	4.54	22 43 57.8	11.2	0.655 4367	1 2449	20 6.4
9	19 16 12.30	3.71	−22 44 9.0	9.5	0.656 6816	1 2549	20 2.4
10	19 16 8.59	2.88	22 44 18.5	8.0	0.657 9365	1 2644	19 58.4
11	19 16 5.71	2.04	22 44 26.5	6.4	0.659 2009	1 2732	19 54.4
12	19 16 3.67	1.21	22 44 32.9	4.9	0.660 4741	1 2817	19 50.4
13	19 16 2.46	0.37	22 44 37.8	3.2	0.661 7558	1 2895	19 46.5
14	19 16 2.09	$\overline{0.46}$	22 44 41.0	1.7	0.663 0453	1 2970	19 42.6
15	19 16 2.55	1.29	−22 44 42.7	0.1	0.664 3423	1 3038	19 38.7
16	19 16 3.84	2.12	22 44 42.8	$\overline{1.4}$	0.665 6461	1 3102	19 34.8
17	19 16 5.96	2.95	22 44 41.4	3.0	0.666 9563	1 3162	19 30.9
18	19 16 8.91	3.78	22 44 38.4	4.6	0.668 2725	1 3216	19 27.0
19	19 16 12.69	4.60	22 44 33.8	6.0	0.669 5941	1 3266	19 23.2
20	19 16 17.29	5.42	22 44 27.8	7.6	0.670 9207	1 3313	19 19.3
21	19 16 22.71	6.25	−22 44 20.2	9.2	0.672 2520	1 3354	19 15.5
22	19 16 28.96	7.06	22 44 11.0	10.7	0.673 5874	1 3392	19 11.7
23	19 16 36.02	7.88	22 44 0.3	12.2	0.674 9266	1 3425	19 7.9
24	19 16 43.90	8.68	22 43 48.1	13.8	0.676 2691	1 3456	19 4.1
25	19 16 52.58	9.50	22 43 34.3	15.4	0.677 6147	1 3481	19 0.3
26	19 17 2.08	10.30	22 43 18.9	16.9	0.678 9628	1 3503	18 56.5
27	19 17 12.38	11.11	−22 43 2.0	18.4	0.680 3131	1 3520	18 52.8
28	19 17 23.49	11.91	22 42 43.6	20.1	0.681 6651	1 3534	18 49.1
29	19 17 35.40	12.71	22 42 23.5	21.6	0.683 0185	1 3544	18 45.3
30	19 17 48.11	13.50	22 42 1.9	23.2	0.684 3729	1 3548	18 41.6
Okt. 1	19 18 1.61	14.30	22 41 38.7	24.8	0.685 7277	1 3549	18 37.9
2	19 18 15.91	15.09	22 41 13.9	26.4	0.687 0826	1 3547	18 34.2
3	19 18 31.00	15.87	−22 40 47.5	27.9	0.688 4373	1 3540	18 30.6
4	19 18 46.87	16.65	22 40 19.6	29.6	0.689 7913	1 3530	18 26.9
5	19 19 3.52	17.42	22 39 50.0	31.1	0.691 1443	1 3515	18 23.3
6	19 19 20.94	18.19	22 39 18.9	32.8	0.692 4958	1 3497	18 19.6
7	19 19 39.13	18.95	22 38 46.1	34.4	0.693 8455	1 3474	18 16.0
8	19 19 58.08	19.70	22 38 11.7	35.9	0.695 1929	1 3447	18 12.4
9	19 20 17.78	20.46	−22 37 35.8	37.6	0.696 5376	1 3417	18 8.8
10	19 20 38.24	21.20	22 36 58.2	39.2	0.697 8793	1 3384	18 5.2
11	19 20 59.44	21.93	22 36 19.0	40.8	0.699 2177	1 3347	18 1.7
12	19 21 21.37	22.66	22 35 38.2	42.4	0.700 5524	1 3309	17 58.1
13	19 21 44.03	23.38	22 34 55.8	44.0	0.701 8833	1 3265	17 54.5
14	19 22 7.41		−22 34 11.8		0.703 2098		17 51.0

Tag	0h Welt-Zeit						Obere Kulmination in Greenwich
	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1937	h m s	s	° ′ ″	′ ″			h m
Okt. 14	19 22 7.41	24.09	−22 34 11.8	0 45.6	0.703 2098	1 3219	17 51.0
15	19 22 31.50	24.79	22 33 26.2	0 47.3	0.704 5317	1 3171	17 47.5
16	19 22 56.29	25.49	22 32 38.9	0 48.8	0.705 8488	1 3119	17 44.0
17	19 23 21.78	26.18	22 31 50.1	0 50.5	0.707 1607	1 3064	17 40.5
18	19 23 47.96	26.86	22 30 59.6	0 52.1	0.708 4671	1 3008	17 37.0
19	19 24 14.82	27.53	22 30 7.5	0 53.8	0.709 7679	1 2949	17 33.5
20	19 24 42.35	28.20	−22 29 13.7	0 55.4	0.711 0628	1 2887	17 30.0
21	19 25 10.55	28.86	22 28 18.3	0 57.1	0.712 3515	1 2824	17 26.6
22	19 25 39.41	29.52	22 27 21.2	0 58.8	0.713 6339	1 2758	17 23.1
23	19 26 8.93	30.16	22 26 22.4	1 0.4	0.714 9097	1 2690	17 19.7
24	19 26 39.09	30.80	22 25 22.0	1 2.2	0.716 1787	1 2620	17 16.3
25	19 27 9.89	31.43	22 24 19.8	1 3.8	0.717 4407	1 2548	17 12.9
26	19 27 41.32	32.06	−22 23 16.0	1 5.5	0.718 6955	1 2472	17 9.5
27	19 28 13.38	32.68	22 22 10.5	1 7.3	0.719 9427	1 2395	17 6.1
28	19 28 46.06	33.29	22 21 3.2	1 8.9	0.721 1822	1 2314	17 2.7
29	19 29 19.35	33.90	22 19 54.3	1 10.7	0.722 4136	1 2232	16 59.3
30	19 29 53.25	34.50	22 18 43.6	1 12.4	0.723 6368	1 2148	16 55.9
31	19 30 27.75	35.09	22 17 31.2	1 14.2	0.724 8516	1 2060	16 52.6
Nov. 1	19 31 2.84	35.68	−22 16 17.0	1 15.9	0.726 0576	1 1971	16 49.3
2	19 31 38.52	36.26	22 15 1.1	1 17.6	0.727 2547	1 1879	16 45.9
3	19 32 14.78	36.82	22 13 43.5	1 19.4	0.728 4426	1 1786	16 42.6
4	19 32 51.60	37.38	22 12 24.1	1 21.2	0.729 6212	1 1690	16 39.3
5	19 33 28.98	37.93	22 11 2.9	1 23.0	0.730 7902	1 1592	16 36.0
6	19 34 6.91	38.48	22 9 39.9	1 24.8	0.731 9494	1 1493	16 32.7
7	19 34 45.39	39.01	−22 8 15.1	1 26.5	0.733 0987	1 1391	16 29.4
8	19 35 24.40	39.54	22 6 48.6	1 28.3	0.734 2378	1 1288	16 26.1
9	19 36 3.94	40.06	22 5 20.3	1 30.0	0.735 3666	1 1182	16 22.8
10	19 36 44.00	40.57	22 3 50.3	1 31.9	0.736 4848	1 1075	16 19.6
11	19 37 24.57	41.07	22 2 18.4	1 33.6	0.737 5923	1 0967	16 16.3
12	19 38 5.64	41.56	22 0 44.8	1 35.4	0.738 6890	1 0857	16 13.1
13	19 38 47.20	42.04	−21 59 9.4	1 37.2	0.739 7747	1 0746	16 9.8
14	19 39 29.24	42.52	21 57 32.2	1 39.1	0.740 8493	1 0634	16 6.6
15	19 40 11.76	42.98	21 55 53.1	1 40.8	0.741 9127	1 0520	16 3.4
16	19 40 54.74	43.44	21 54 12.3	1 42.6	0.742 9647	1 0406	16 0.2
17	19 41 38.18	43.89	21 52 29.7	1 44.4	0.744 0053	1 0290	15 57.0
18	19 42 22.07	44.34	21 50 45.3	1 46.2	0.745 0343	1 0173	15 53.8
19	19 43 6.41	44.77	−21 48 59.1	1 48.1	0.746 0516	1 0056	15 50.6
20	19 43 51.18	45.20	21 47 11.0	1 49.8	0.747 0572	9938	15 47.4
21	19 44 36.38	45.62	21 45 21.2	1 51.7	0.748 0510	9818	15 44.2
22	19 45 22.00	46.04	21 43 29.5	1 53.6	0.749 0328	9697	15 41.0
23	19 46 8.04	46.45	21 41 35.9	1 55.4	0.750 0025	9575	15 37.9
24	19 46 54.49		−21 39 40.5		0.750 9600		15 34.7

Tag	0ʰ Welt-Zeit: Scheinbare Rektaszension		0ʰ Welt-Zeit: Scheinbare Deklination		0ʰ Welt-Zeit: log Δ		Obere Kulmination in Greenwich
1937	h m s	s	° ′ ″	′ ″			h m
Nov. 24	19 46 54.49	46.85	−21 39 40.5	1 57.2	0.750 9600	9453	15 34.7
25	19 47 41.34	47.25	21 37 43.3	1 59.1	0.751 9053	9328	15 31.6
26	19 48 28.59	47.63	21 35 44.2	2 0.9	0.752 8381	9202	15 28.4
27	19 49 16.22	48.02	21 33 43.3	2 2.8	0.753 7583	9075	15 25.3
28	19 50 4.24	48.39	21 31 40.5	2 4.7	0.754 6658	8947	15 22.2
29	19 50 52.63	48.76	21 29 35.8	2 6.5	0.755 5605	8818	15 19.0
30	19 51 41.39	49.11	−21 27 29.3	2 8.3	0.756 4423	8687	15 15.9
Dez. 1	19 52 30.50	49.47	21 25 21.0	2 10.2	0.757 3110	8555	15 12.8
2	19 53 19.97	49.81	21 23 10.8	2 12.0	0.758 1665	8423	15 9.7
3	19 54 9.78	50.15	21 20 58.8	2 13.9	0.759 0088	8289	15 6.6
4	19 54 59.93	50.47	21 18 44.9	2 15.7	0.759 8377	8154	15 3.5
5	19 55 50.40	50.79	21 16 29.2	2 17.5	0.760 6531	8018	15 0.4
6	19 56 41.19	51.11	−21 14 11.7	2 19.4	0.761 4549	7882	14 57.3
7	19 57 32.30	51.41	21 11 52.3	2 21.2	0.762 2431	7745	14 54.2
8	19 58 23.71	51.71	21 9 31.1	2 23.0	0.763 0176	7606	14 51.1
9	19 59 15.42	51.99	21 7 8.1	2 24.9	0.763 7782	7468	14 48.1
10	20 0 7.41	52.27	21 4 43.2	2 26.6	0.764 5250	7329	14 45.0
11	20 0 59.68	52.55	21 2 16.6	2 28.5	0.765 2579	7189	14 42.0
12	20 1 52.23	52.81	−20 59 48.1	2 30.2	0.765 9768	7049	14 38.9
13	20 2 45.04	53.06	20 57 17.9	2 32.0	0.766 6817	6908	14 35.8
14	20 3 38.10	53.32	20 54 45.9	2 33.7	0.767 3725	6768	14 32.8
15	20 4 31.42	53.56	20 52 12.2	2 35.6	0.768 0493	6627	14 29.8
16	20 5 24.98	53.79	20 49 36.6	2 37.3	0.768 7120	6485	14 26.7
17	20 6 18.77	54.02	20 46 59.3	2 39.1	0.769 3605	6344	14 23.7
18	20 7 12.79	54.25	−20 44 20.2	2 40.8	0.769 9949	6201	14 20.6
19	20 8 7.04	54.47	20 41 39.4	2 42.6	0.770 6150	6059	14 17.6
20	20 9 1.51	54.68	20 38 56.8	2 44.3	0.771 2209	5917	14 14.6
21	20 9 56.19	54.88	20 36 12.5	2 46.1	0.771 8126	5773	14 11.6
22	20 10 51.07	55.09	20 33 26.4	2 47.9	0.772 3899	5629	14 8.6
23	20 11 46.16	55.28	20 30 38.5	2 49.6	0.772 9528	5484	14 5.5
24	20 12 41.44	55.47	−20 27 48.9	2 51.3	0.773 5012	5339	14 2.5
25	20 13 36.91	55.66	20 24 57.6	2 53.0	0.774 0351	5194	13 59.5
26	20 14 32.57	55.83	20 22 4.6	2 54.7	0.774 5545	5047	13 56.5
27	20 15 28.40	55.99	20 19 9.9	2 56.4	0.775 0592	4900	13 53.5
28	20 16 24.39	56.16	20 16 13.5	2 58.1	0.775 5492	4753	13 50.5
29	20 17 20.55	56.32	20 13 15.4	2 59.7	0.776 0245	4605	13 47.5
30	20 18 16.87	56.46	−20 10 15.7	3 1.4	0.776 4850	4456	13 44.5
31	20 19 13.33	56.61	20 7 14.3	3 3.0	0.776 9306	4308	13 41.5
32	20 20 9.94		−20 4 11.3		0.777 3614		13 38.5

Tag		0ʰ Welt-Zeit						Obere Kulmination in Greenwich
		Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1937		h m s	s	° ′ ″	′ ″			h m
Jan.	0	23 16 27.89	15.34	−6 56 18.1	1 47.1	0.996 4439	6715	16 36.9
	1	23 16 43.23	15.65	6 54 31.0	1 49.0	0.997 1154	6658	16 33.3
	2	23 16 58.88	15.97	6 52 42.0	1 50.9	0.997 7812	6600	16 29.6
	3	23 17 14.85	16.27	6 50 51.1	1 52.7	0.998 4412	6541	16 26.0
	4	23 17 31.12	16.57	6 48 58.4	1 54.6	0.999 0953	6481	16 22.3
	5	23 17 47.69	16.87	6 47 3.8	1 56.5	0.999 7434	6418	16 18.6
	6	23 18 4.56	17.17	−6 45 7.3	1 58.2	1.000 3852	6356	16 15.0
	7	23 18 21.73	17.46	6 43 9.1	2 0.0	1.001 0208	6290	16 11.3
	8	23 18 39.19	17.75	6 41 9.1	2 1.7	1.001 6498	6223	16 7.7
	9	23 18 56.94	18.04	6 39 7.4	2 3.4	1.002 2721	6156	16 4.0
	10	23 19 14.98	18.33	6 37 4.0	2 5.2	1.002 8877	6086	16 0.4
	11	23 19 33.31	18.60	6 34 58.8	2 6.8	1.003 4963	6015	15 56.8
	12	23 19 51.91	18.87	−6 32 52.0	2 8.4	1.004 0978	5942	15 53.2
	13	23 20 10.78	19.14	6 30 43.6	2 10.1	1.004 6920	5869	15 49.6
	14	23 20 29.92	19.40	6 28 33.5	2 11.6	1.005 2789	5794	15 46.0
	15	23 20 49.32	19.66	6 26 21.9	2 13.1	1.005 8583	5717	15 42.4
	16	23 21 8.98	19.92	6 24 8.8	2 14.7	1.006 4300	5641	15 38.8
	17	23 21 28.90	20.18	6 21 54.1	2 16.2	1.006 9941	5562	15 35.2
	18	23 21 49.08	20.42	−6 19 37.9	2 17.7	1.007 5503	5483	15 31.6
	19	23 22 9.50	20.66	6 17 20.2	2 19.1	1.008 0986	5403	15 28.0
	20	23 22 30.16	20.90	6 15 1.1	2 20.5	1.008 6389	5321	15 24.4
	21	23 22 51.06	21.13	6 12 40.6	2 21.9	1.009 1710	5239	15 20.8
	22	23 23 12.19	21.36	6 10 18.7	2 23.3	1.009 6949	5156	15 17.2
	23	23 23 33.55	21.58	6 7 55.4	2 24.5	1.010 2105	5072	15 13.6
	24	23 23 55.13	21.81	−6 5 30.9	2 25.9	1.010 7177	4987	15 10.1
	25	23 24 16.94	22.02	6 3 5.0	2 27.1	1.011 2164	4902	15 6.5
	26	23 24 38.96	22.22	6 0 37.9	2 28.3	1.011 7066	4817	15 2.9
	27	23 25 1.18	22.43	5 58 9.6	2 29.6	1.012 1883	4730	14 59.4
	28	23 25 23.61	22.64	5 55 40.0	2 30.7	1.012 6613	4642	14 55.8
	29	23 25 46.25	22.84	5 53 9.3	2 32.0	1.013 1255	4555	14 52.3
	30	23 26 9.09	23.03	−5 50 37.3	2 33.1	1.013 5810	4465	14 48.7
	31	23 26 32.12	23.22	5 48 4.2	2 34.2	1.014 0275	4376	14 45.2
Febr.	1	23 26 55.34	23.42	5 45 30.0	2 35.3	1.014 4651	4285	14 41.6
	2	23 27 18.76	23.60	5 42 54.7	2 36.3	1.014 8936	4193	14 38.1
	3	23 27 42.36	23.78	5 40 18.4	2 37.4	1.015 3129	4101	14 34.5
	4	23 28 6.14	23.95	5 37 41.0	2 38.4	1.015 7230	4008	14 31.0
	5	23 28 30.09	24.12	−5 35 2.6	2 39.4	1.016 1238	3915	14 27.5
	6	23 28 54.21	24.29	5 32 23.2	2 40.4	1.016 5153	3821	14 23.9
	7	23 29 18.50	24.45	5 29 42.8	2 41.3	1.016 8974	3726	14 20.4
	8	23 29 42.95	24.61	5 27 1.5	2 42.2	1.017 2700	3631	14 16.9
	9	23 30 7.56	24.76	5 24 19.3	2 43.0	1.017 6331	3534	14 13.4
	10	23 30 32.32		−5 21 36.3		1.017 9865		14 9.8

Tag	0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1937	h m s	s	° ′ ″	′ ″			h m
Febr. 10	23 30 32.32	24.92	−5 21 36.3	2 43.9	1.017 9865	3436	14 9.8
11	23 30 57.24	25.05	5 18 52.4	2 44.7	1.018 3301	3339	14 6.3
12	23 31 22.29	25.20	5 16 7.7	2 45.5	1.018 6640	3241	14 2.8
13	23 31 47.49	25.33	5 13 22.2	2 46.2	1.018 9881	3142	13 59.3
14	23 32 12.82	25.47	5 10 36.0	2 46.9	1.019 3023	3042	13 55.8
15	23 32 38.29	25.58	5 7 49.1	2 47.6	1.019 6065	2942	13 52.3
16	23 33 3.87	25.71	−5 5 1.5	2 48.2	1.019 9007	2843	13 48.8
17	23 33 29.58	25.83	5 2 13.3	2 48.9	1.020 1850	2743	13 45.3
18	23 33 55.41	25.93	4 59 24.4	2 49.4	1.020 4593	2642	13 41.8
19	23 34 21.34	26.04	4 56 35.0	2 50.0	1.020 7235	2541	13 38.3
20	23 34 47.38	26.15	4 53 45.0	2 50.5	1.020 9776	2441	13 34.8
21	23 35 13.53	26.24	4 50 54.5	2 51.1	1.021 2217	2339	13 31.3
22	23 35 39.77	26.34	−4 48 3.4	2 51.6	1.021 4556	2238	13 27.8
23	23 36 6.11	26.42	4 45 11.8	2 52.0	1.021 6794	2137	13 24.3
24	23 36 32.53	26.51	4 42 19.8	2 52.4	1.021 8931	2035	13 20.8
25	23 36 59.04	26.60	4 39 27.4	2 52.9	1.022 0966	1934	13 17.3
26	23 37 25.64	26.67	4 36 34.5	2 53.2	1.022 2900	1832	13 13.8
27	23 37 52.31	26.75	4 33 41.3	2 53.5	1.022 4732	1730	13 10.3
28	23 38 19.06	26.82	−4 30 47.8	2 53.9	1.022 6462	1628	13 6.8
März 1	23 38 45.88	26.88	4 27 53.9	2 54.2	1.022 8090	1525	13 3.3
2	23 39 12.76	26.95	4 24 59.7	2 54.5	1.022 9615	1422	12 59.9
3	23 39 39.71	27.01	4 22 5.2	2 54.7	1.023 1037	1320	12 56.4
4	23 40 6.72	27.06	4 19 10.5	2 55.0	1.023 2357	1216	12 52.9
5	23 40 33.78	27.11	4 16 15.5	2 55.1	1.023 3573	1113	12 49.4
6	23 41 0.89	27.16	−4 13 20.4	2 55.3	1.023 4686	1009	12 45.9
7	23 41 28.05	27.21	4 10 25.1	2 55.4	1.023 5695	905	12 42.4
8	23 41 55.26	27.24	4 7 29.7	2 55.6	1.023 6600	801	12 39.0
9	23 42 22.50	27.27	4 4 34.1	2 55.6	1.023 7401	696	12 35.5
10	23 42 49.77	27.31	4 1 38.5	2 55.7	1.023 8097	592	12 32.0
11	23 43 17.08	27.33	3 58 42.8	2 55.7	1.023 8689	487	12 28.5
12	23 43 44.41	27.35	−3 55 47.1	2 55.7	1.023 9176	383	12 25.0
13	23 44 11.76	27.36	3 52 51.4	2 55.6	1.023 9559	278	12 21.6
14	23 44 39.12	27.38	3 49 55.8	2 55.6	1.023 9837	174	12 18.1
15	23 45 6.50	27.39	3 47 0.2	2 55.5	1.024 0011	69	12 14.6
16	23 45 33.89	27.39	3 44 4.7	2 55.3	1.024 0080	$\overline{35}$	12 11.1
17	23 46 1.28	27.38	3 41 9.4	2 55.1	1.024 0045	139	12 7.7
18	23 46 28.66	27.38	−3 38 14.3	2 54.9	1.023 9906	243	12 4.2
19	23 46 56.04	27.37	3 35 19.4	2 54.7	1.023 9663	347	12 0.7
20	23 47 23.41	27.36	3 32 24.7	2 54.5	1.023 9316	450	11 57.2
21	23 47 50.77	27.34	3 29 30.2	2 54.2	1.023 8866	554	11 53.7
22	23 48 18.11	27.31	3 26 36.0	2 53.9	1.023 8312	656	11 50.3
23	23 48 45.42		−3 23 42.1		1.023 7656		11 46.8

Tag	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
	0h Welt-Zeit						
1937	h m s	s	° ′ ″	′ ″			h m
März 23	23 48 45.42	27.29	−3 23 42.1	2 53.6	1.023 7656	759	11 46.8
24	23 49 12.71	27.25	3 20 48.5	2 53.3	1.023 6897	862	11 43.3
25	23 49 39.96	27.23	3 17 55.2	2 52.9	1.023 6035	963	11 39.8
26	23 50 7.19	27.18	3 15 2.3	2 52.5	1.023 5072	1065	11 36.3
27	23 50 34.37	27.15	3 12 9.8	2 52.0	1.023 4007	1167	11 32.9
28	23 51 1.52	27.10	3 9 17.8	2 51.7	1.023 2840	1268	11 29.4
29	23 51 28.62	27.05	−3 6 26.1	2 51.1	1.023 1572	1369	11 25.9
30	23 51 55.67	27.01	3 3 35.0	2 50.7	1.023 0203	1471	11 22.4
31	23 52 22.68	26.95	3 0 44.3	2 50.1	1.022 8732	1572	11 18.9
April 1	23 52 49.63	26.89	2 57 54.2	2 49.6	1.022 7160	1672	11 15.5
2	23 53 16.52	26.83	2 55 4.6	2 49.0	1.022 5488	1773	11 12.0
3	23 53 43.35	26.76	2 52 15.6	2 48.4	1.022 3715	1873	11 8.5
4	23 54 10.11	26.69	−2 49 27.2	2 47.8	1.022 1842	1973	11 5.0
5	23 54 36.80	26.61	2 46 39.4	2 47.2	1.021 9869	2073	11 1.5
6	23 55 3.41	26.54	2 43 52.2	2 46.5	1.021 7796	2173	10 58.0
7	23 55 29.95	26.45	2 41 5.7	2 45.7	1.021 5623	2273	10 54.5
8	23 55 56.40	26.37	2 38 20.0	2 45.1	1.021 3350	2372	10 51.0
9	23 56 22.77	26.28	2 35 34.9	2 44.3	1.021 0978	2471	10 47.5
10	23 56 49.05	26.18	−2 32 50.6	2 43.5	1.020 8507	2569	10 44.0
11	23 57 15.23	26.08	2 30 7.1	2 42.7	1.020 5938	2667	10 40.5
12	23 57 41.31	25.97	2 27 24.4	2 41.8	1.020 3271	2764	10 37.0
13	23 58 7.28	25.87	2 24 42.6	2 41.0	1.020 0507	2862	10 33.5
14	23 58 33.15	25.75	2 22 1.6	2 40.0	1.019 7645	2958	10 30.0
15	23 58 58.90	25.64	2 19 21.6	2 39.0	1.019 4687	3054	10 26.5
16	23 59 24.54	25.52	−2 16 42.6	2 38.1	1.019 1633	3150	10 23.0
17	23 59 50.06	25.39	2 14 4.5	2 37.0	1.018 8483	3243	10 19.5
18	0 0 15.45	25.27	2 11 27.5	2 36.1	1.018 5240	3337	10 16.0
19	0 0 40.72	25.13	2 8 51.4	2 35.1	1.018 1903	3429	10 12.5
20	0 1 5.85	25.00	2 6 16.3	2 34.0	1.017 8474	3522	10 8.9
21	0 1 30.85	24.86	2 3 42.3	2 32.9	1.017 4952	3614	10 5.4
22	0 1 55.71	24.71	−2 1 9.4	2 31.9	1.017 1338	3705	10 1.9
23	0 2 20.42	24.57	1 58 37.5	2 30.8	1.016 7633	3795	9 58.4
24	0 2 44.99	24.42	1 56 6.7	2 29.7	1.016 3838	3886	9 54.9
25	0 3 9.41	24.26	1 53 37.0	2 28.5	1.015 9952	3975	9 51.3
26	0 3 33.67	24.12	1 51 8.5	2 27.3	1.015 5977	4064	9 47.8
27	0 3 57.79	23.95	1 48 41.2	2 26.1	1.015 1913	4152	9 44.3
28	0 4 21.74	23.79	−1 46 15.1	2 24.8	1.014 7761	4240	9 40.7
29	0 4 45.53	23.63	1 43 50.3	2 23.6	1.014 3521	4327	9 37.2
30	0 5 9.16	23.46	1 41 26.7	2 22.3	1.013 9194	4414	9 33.7
Mai 1	0 5 32.62	23.28	1 39 4.4	2 21.0	1.013 4780	4500	9 30.1
2	0 5 55.90	23.11	1 36 43.4	2 19.7	1.013 0280	4585	9 26.6
3	0 6 19.01		−1 34 23.7		1.012 5695		9 23.0

Tag	0h Welt-Zeit: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1937	h m s	s	° ′ ″	′ ″			h m
Mai 3	0 6 19.01	22.93	−1 34 23.7	2 18.3	1.012 5695	4669	9 23.0
4	0 6 41.94	22.74	1 32 5.4	2 16.9	1.012 1026	4754	9 19.5
5	0 7 4.68	22.55	1 29 48.5	2 15.5	1.011 6272	4838	9 15.9
6	0 7 27.23	22.35	1 27 33.0	2 14.1	1.011 1434	4920	9 12.3
7	0 7 49.58	22.17	1 25 18.9	2 12.6	1.010 6514	5002	9 8.8
8	0 8 11.75	21.96	1 23 6.3	2 11.2	1.010 1512	5083	9 5.2
9	0 8 33.71	21.75	−1 20 55.1	2 9.6	1.009 6429	5163	9 1.6
10	0 8 55.46	21.55	1 18 45.5	2 8.2	1.009 1266	5243	8 58.1
11	0 9 17.01	21.34	1 16 37.3	2 6.5	1.008 6023	5321	8 54.5
12	0 9 38.35	21.11	1 14 30.8	2 5.0	1.008 0702	5397	8 50.9
13	0 9 59.46	20.89	1 12 25.8	2 3.3	1.007 5305	5474	8 47.4
14	0 10 20.35	20.66	1 10 22.5	2 1.7	1.006 9831	5549	8 43.8
15	0 10 41.01	20.44	−1 8 20.8	2 0.1	1.006 4282	5622	8 40.2
16	0 11 1.45	20.21	1 6 20.7	1 58.4	1.005 8660	5695	8 36.6
17	0 11 21.66	19.97	1 4 22.3	1 56.7	1.005 2965	5766	8 33.0
18	0 11 41.63	19.74	1 2 25.6	1 55.0	1.004 7199	5837	8 29.4
19	0 12 1.37	19.50	1 0 30.6	1 53.3	1.004 1362	5906	8 25.8
20	0 12 20.87	19.26	0 58 37.3	1 51.5	1.003 5456	5975	8 22.2
21	0 12 40.13	19.00	−0 56 45.8	1 49.8	1.002 9481	6041	8 18.5
22	0 12 59.13	18.76	0 54 56.0	1 48.0	1.002 3440	6108	8 14.9
23	0 13 17.89	18.51	0 53 8.0	1 46.3	1.001 7332	6173	8 11.3
24	0 13 36.40	18.24	0 51 21.7	1 44.4	1.001 1159	6238	8 7.7
25	0 13 54.64	17.98	0 49 37.3	1 42.5	1.000 4921	6300	8 4.1
26	0 14 12.62	17.72	0 47 54.8	1 40.7	0.999 8621	6363	8 0.4
27	0 14 30.34	17.45	−0 46 14.1	1 38.9	0.999 2258	6423	7 56.8
28	0 14 47.79	17.19	0 44 35.2	1 37.0	0.998 5835	6484	7 53.1
29	0 15 4.98	16.91	0 42 58.2	1 35.0	0.997 9351	6543	7 49.5
30	0 15 21.89	16.64	0 41 23.2	1 33.1	0.997 2808	6600	7 45.8
31	0 15 38.53	16.36	0 39 50.1	1 31.1	0.996 6208	6656	7 42.2
Juni 1	0 15 54.89	16.08	0 38 19.0	1 29.1	0.995 9552	6711	7 38.5
2	0 16 10.97	15.80	−0 36 49.9	1 27.2	0.995 2841	6765	7 34.8
3	0 16 26.77	15.50	0 35 22.7	1 25.1	0.994 6076	6818	7 31.2
4	0 16 42.27	15.22	0 33 57.6	1 23.1	0.993 9258	6869	7 27.5
5	0 16 57.49	14.91	0 32 34.5	1 21.0	0.993 2389	6920	7 23.8
6	0 17 12.40	14.61	0 31 13.5	1 18.9	0.992 5469	6969	7 20.1
7	0 17 27.01	14.31	0 29 54.6	1 16.8	0.991 8500	7016	7 16.4
8	0 17 41.32	14.00	−0 28 37.8	1 14.7	0.991 1484	7062	7 12.7
9	0 17 55.32	13.69	0 27 23.1	1 12.6	0.990 4422	7105	7 9.0
10	0 18 9.01	13.37	0 26 10.5	1 10.4	0.989 7317	7147	7 5.3
11	0 18 22.38	13.06	0 25 0.1	1 8.3	0.989 0170	7188	7 1.6
12	0 18 35.44	12.74	0 23 51.8	1 6.1	0.988 2982	7226	6 57.9
13	0 18 48.18		−0 22 45.7		0.987 5756		6 54.2

Tag	0h Welt-Zeit: Scheinbare Rektaszension	Diff.	0h Welt-Zeit: Scheinbare Deklination	Diff.	0h Welt-Zeit: log Δ	Diff.	Obere Kulmination in Greenwich
1937	h m s	s	° ′ ″	″			h m
Juni 13	0 18 48.18	12.42	−0 22 45.7	63.9	0.987 5756	7263	6 54.2
14	0 19 0.60	12.09	0 21 41.8	61.7	0.986 8493	7298	6 50.4
15	0 19 12.69	11.77	0 20 40.1	59.5	0.986 1195	7331	6 46.7
16	0 19 24.46	11.44	0 19 40.6	57.2	0.985 3864	7364	6 43.0
17	0 19 35.90	11.11	0 18 43.4	55.0	0.984 6500	7393	6 39.3
18	0 19 47.01	10.78	0 17 48.4	52.7	0.983 9107	7422	6 35.5
19	0 19 57.79	10.45	−0 16 55.7	50.5	0.983 1685	7449	6 31.7
20	0 20 8.24	10.10	0 16 5.2	48.2	0.982 4236	7474	6 28.0
21	0 20 18.34	9.77	0 15 17.0	46.0	0.981 6762	7498	6 24.2
22	0 20 28.11	9.43	0 14 31.0	43.7	0.980 9264	7520	6 20.4
23	0 20 37.54	9.08	0 13 47.3	41.3	0.980 1744	7541	6 16.7
24	0 20 46.62	8.74	0 13 6.0	39.1	0.979 4203	7559	6 12.9
25	0 20 55.36	8.39	−0 12 26.9	36.8	0.978 6644	7576	6 9.1
26	0 21 3.75	8.04	0 11 50.1	34.4	0.977 9068	7590	6 5.3
27	0 21 11.79	7.70	0 11 15.7	32.1	0.977 1478	7604	6 1.5
28	0 21 19.49	7.34	0 10 43.6	29.7	0.976 3874	7615	5 57.7
29	0 21 26.83	6.98	0 10 13.9	27.4	0.975 6259	7626	5 53.9
30	0 21 33.81	6.62	0 9 46.5	25.0	0.974 8633	7633	5 50.1
Juli 1	0 21 40.43	6.26	−0 9 21.5	22.6	0.974 1000	7640	5 46.2
2	0 21 46.69	5.91	0 8 58.9	20.2	0.973 3360	7643	5 42.4
3	0 21 52.60	5.53	0 8 38.7	17.8	0.972 5717	7645	5 38.6
4	0 21 58.13	5.17	0 8 20.9	15.4	0.971 8072	7645	5 34.7
5	0 22 3.30	4.81	0 8 5.5	13.0	0.971 0427	7642	5 30.9
6	0 22 8.11	4.43	0 7 52.5	10.5	0.970 2785	7637	5 27.0
7	0 22 12.54	4.07	−0 7 42.0	8.2	0.969 5148	7630	5 23.2
8	0 22 16.61	3.69	0 7 33.8	5.7	0.968 7518	7620	5 19.3
9	0 22 20.30	3.32	0 7 28.1	3.3	0.967 9898	7608	5 15.4
10	0 22 23.62	2.95	0 7 24.8	1.0	0.967 2290	7595	5 11.6
11	0 22 26.57	2.57	0 7 23.8	$\overline{1.5}$	0.966 4695	7578	5 7.7
12	0 22 29.14	2.20	0 7 25.3	4.0	0.965 7117	7559	5 3.8
13	0 22 31.34	1.82	−0 7 29.3	6.3	0.964 9558	7538	4 59.9
14	0 22 33.16	1.45	0 7 35.6	8.6	0.964 2020	7514	4 56.0
15	0 22 34.61	1.08	0 7 44.2	11.1	0.963 4506	7489	4 52.1
16	0 22 35.69	0.71	0 7 55.3	13.5	0.962 7017	7461	4 48.2
17	0 22 36.40	0.34	0 8 8.8	15.9	0.961 9556	7430	4 44.2
18	0 22 36.74	$\overline{0.04}$	0 8 24.7	18.2	0.961 2126	7398	4 40.3
19	0 22 36.70	0.41	−0 8 42.9	20.6	0.960 4728	7363	4 36.4
20	0 22 36.29	0.79	0 9 3.5	23.0	0.959 7365	7326	4 32.4
21	0 22 35.50	1.15	0 9 26.5	25.3	0.959 0039	7287	4 28.5
22	0 22 34.35	1.52	0 9 51.8	27.6	0.958 2752	7245	4 24.5
23	0 22 32.83	1.89	0 10 19.4	30.0	0.957 5507	7203	4 20.6
24	0 22 30.94		−0 10 49.4		0.956 8304		4 16.6

Saturn 1937

Tag		0ʰ Welt-Zeit: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1937		h m s	s	° ′ ″	′ ″			h m
Juli	24	0 22 30.94	2.26	−0 10 49.4	0 32.3	0.956 8304	7158	4 16.6
	25	0 22 28.68	2.63	0 11 21.7	0 34.6	0.956 1146	7109	4 12.6
	26	0 22 26.05	2.99	0 11 56.3	0 36.9	0.955 4037	7060	4 8.7
	27	0 22 23.06	3.36	0 12 33.2	0 39.2	0.954 6977	7006	4 4.7
	28	0 22 19.70	3.73	0 13 12.4	0 41.5	0.953 9971	6951	4 0.7
	29	0 22 15.97	4.09	0 13 53.9	0 43.7	0.953 3020	6894	3 56.7
	30	0 22 11.88	4.46	−0 14 37.6	0 46.0	0.952 6126	6833	3 52.7
	31	0 22 7.42	4.81	0 15 23.6	0 48.2	0.951 9293	6772	3 48.7
Aug.	1	0 22 2.61	5.18	0 16 11.8	0 50.4	0.951 2521	6707	3 44.7
	2	0 21 57.43	5.53	0 17 2.2	0 52.7	0.950 5814	6640	3 40.7
	3	0 21 51.90	5.89	0 17 54.9	0 54.8	0.949 9174	6570	3 36.6
	4	0 21 46.01	6.25	0 18 49.7	0 56.9	0.949 2604	6496	3 32.6
	5	0 21 39.76	6.60	−0 19 46.6	0 59.1	0.948 6108	6420	3 28.6
	6	0 21 33.16	6.94	0 20 45.7	1 1.2	0.947 9688	6342	3 24.5
	7	0 21 26.22	7.29	0 21 46.9	1 3.3	0.947 3346	6261	3 20.5
	8	0 21 18.93	7.63	0 22 50.2	1 5.3	0.946 7085	6178	3 16.4
	9	0 21 11.30	7.96	0 23 55.5	1 7.4	0.946 0907	6093	3 12.4
	10	0 21 3.34	8.30	0 25 2.9	1 9.3	0.945 4814	6005	3 8.3
	11	0 20 55.04	8.62	−0 26 12.2	1 11.3	0.944 8809	5915	3 4.2
	12	0 20 46.42	8.96	0 27 23.5	1 13.2	0.944 2894	5822	3 0.2
	13	0 20 37.46	9.27	0 28 36.7	1 15.1	0.943 7072	5728	2 56.1
	14	0 20 28.19	9.59	0 29 51.8	1 16.9	0.943 1344	5630	2 52.0
	15	0 20 18.60	9.90	0 31 8.7	1 18.8	0.942 5714	5531	2 47.9
	16	0 20 8.70	10.21	0 32 27.5	1 20.5	0.942 0183	5428	2 43.8
	17	0 19 58.49	10.51	−0 33 48.0	1 22.3	0.941 4755	5325	2 39.7
	18	0 19 47.98	10.80	0 35 10.3	1 23.9	0.940 9430	5218	2 35.6
	19	0 19 37.18	11.10	0 36 34.2	1 25.7	0.940 4212	5111	2 31.5
	20	0 19 26.08	11.38	0 37 59.9	1 27.2	0.939 9101	5000	2 27.4
	21	0 19 14.70	11.66	0 39 27.1	1 28.9	0.939 4101	4889	2 23.3
	22	0 19 3.04	11.94	0 40 56.0	1 30.4	0.938 9212	4775	2 19.1
	23	0 18 51.10	12.21	−0 42 26.4	1 32.0	0.938 4437	4659	2 15.0
	24	0 18 38.89	12.47	0 43 58.4	1 33.4	0.937 9778	4542	2 10.8
	25	0 18 26.42	12.74	0 45 31.8	1 34.9	0.937 5236	4423	2 6.7
	26	0 18 13.68	12.99	0 47 6.7	1 36.3	0.937 0813	4302	2 2.6
	27	0 18 0.69	13.24	0 48 43.0	1 37.6	0.936 6511	4177	1 58.4
	28	0 17 47.45	13.48	0 50 20.6	1 38.9	0.936 2334	4051	1 54.3
	29	0 17 33.97	13.72	−0 51 59.5	1 40.2	0.935 8283	3922	1 50.1
	30	0 17 20.25	13.96	0 53 39.7	1 41.4	0.935 4361	3792	1 46.0
	31	0 17 6.29	14.17	0 55 21.1	1 42.6	0.935 0569	3661	1 41.8
Sept.	1	0 16 52.12	14.39	0 57 3.7	1 43.7	0.934 6908	3527	1 37.6
	2	0 16 37.73	14.61	0 58 47.4	1 44.7	0.934 3381	3391	1 33.5
	3	0 16 23.12		−1 0 32.1		0.933 9990		1 29.3

Tag	0h Welt-Zeit: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1937	h m s	s	° ′ ″	′ ″			h m
Sept. 3	0 16 23.12	14.80	—1 0 32.1	1 45.7	0.933 9990	3255	1 29.3
4	0 16 8.32	14.99	1 2 17.8	1 46.6	0.933 6735	3115	1 25.1
5	0 15 53.33	15.18	1 4 4.4	1 47.6	0.933 3620	2975	1 20.9
6	0 15 38.15	15.36	1 5 52.0	1 48.4	0.933 0645	2832	1 16.8
7	0 15 22.79	15.52	1 7 40.4	1 49.2	0.932 7813	2689	1 12.6
8	0 15 7.27	15.69	1 9 29.6	1 49.9	0.932 5124	2544	1 8.4
9	0 14 51.58	15.84	—1 11 19.5	1 50.6	0.932 2580	2398	1 4.2
10	0 14 35.74	15.98	1 13 10.1	1 51.1	0.932 0182	2251	1 0.0
11	0 14 19.76	16.12	1 15 1.2	1 51.7	0.931 7931	2103	0 55.8
12	0 14 3.64	16.24	1 16 52.9	1 52.2	0.931 5828	1953	0 51.6
13	0 13 47.40	16.36	1 18 45.1	1 52.5	0.931 3875	1804	0 47.4
14	0 13 31.04	16.46	1 20 37.6	1 52.9	0.931 2071	1652	0 43.2
15	0 13 14.58	16.57	—1 22 30.5	1 53.2	0.931 0419	1501	0 39.0
16	0 12 58.01	16.65	1 24 23.7	1 53.4	0.930 8918	1349	0 34.8
17	0 12 41.36	16.74	1 26 17.1	1 53.6	0.930 7569	1197	0 30.6
18	0 12 24.62	16.81	1 28 10.7	1 53.8	0.930 6372	1044	0 26.3
19	0 12 7.81	16.88	1 30 4.5	1 53.9	0.930 5328	891	0 22.1
20	0 11 50.93	16.94	1 31 58.4	1 53.9	0.930 4437	737	0 17.9
21	0 11 33.99	16.99	—1 33 52.3	1 53.8	0.930 3700	583	0 13.7
22	0 11 17.00	17.02	1 35 46.1	1 53.8	0.930 3117	428	0 9.5
23	0 10 59.98	17.05	1 37 39.9	1 53.6	0.930 2689	272	0 5.3
24	0 10 42.93	17.08	1 39 33.5	1 53.3	0.930 2417	117	{0 1.1 23 56.9}
25	0 10 25.85	17.09	1 41 26.8	1 53.1	0.930 2300	$\overline{39}$	23 52.6
26	0 10 8.76	17.09	1 43 19.9	1 52.7	0.930 2339	196	23 48.4
27	0 9 51.67	17.09	—1 45 12.6	1 52.4	0.930 2535	352	23 44.2
28	0 9 34.58	17.07	1 47 5.0	1 51.9	0.930 2887	508	23 40.0
29	0 9 17.51	17.05	1 48 56.9	1 51.3	0.930 3395	665	23 35.8
30	0 9 0.46	17.02	1 50 48.2	1 50.8	0.930 4060	820	23 31.6
Okt. 1	0 8 43.44	16.98	1 52 39.0	1 50.2	0.930 4880	977	23 27.4
2	0 8 26.46	16.93	1 54 29.2	1 49.5	0.930 5857	1133	23 23.1
3	0 8 9.53	16.86	—1 56 18.7	1 48.6	0.930 6990	1288	23 18.9
4	0 7 52.67	16.79	1 58 7.3	1 47.9	0.930 8278	1443	23 14.7
5	0 7 35.88	16.71	1 59 55.2	1 47.0	0.930 9721	1597	23 10.5
6	0 7 19.17	16.61	2 1 42.2	1 46.0	0.931 1318	1751	23 6.3
7	0 7 2.56	16.51	2 3 28.2	1 44.9	0.931 3069	1904	23 2.1
8	0 6 46.05	16.41	2 5 13.1	1 43.9	0.931 4973	2055	22 57.9
9	0 6 29.64	16.29	—2 6 57.0	1 42.8	0.931 7028	2205	22 53.7
10	0 6 13.35	16.16	2 8 39.8	1 41.6	0.931 9233	2355	22 49.5
11	0 5 57.19	16.02	2 10 21.4	1 40.3	0.932 1588	2503	22 45.3
12	0 5 41.17	15.87	2 12 1.7	1 39.1	0.932 4091	2650	22 41.1
13	0 5 25.30	15.72	2 13 40.8	1 37.7	0.932 6741	2795	22 36.9
14	0 5 9.58		—2 15 18.5		0.932 9536		22 32.7

Saturn 1937

Tag		0h Welt-Zeit Scheinbare Rektaszension	Diff.	Scheinbare Deklination	Diff.	log Δ	Diff.	Obere Kulmination in Greenwich
1937		h m s	s	° ′ ″	′ ″			h m
Okt.	14	0 5 9.58	15.56	−2 15 18.5	1 36.3	0.932 9536	2939	22 32.7
	15	0 4 54.02	15.38	2 16 54.8	1 34.8	0.933 2475	3083	22 28.5
	16	0 4 38.64	15.21	2 18 29.6	1 33.4	0.933 5558	3224	22 24.4
	17	0 4 23.43	15.01	2 20 3.0	1 31.8	0.933 8782	3364	22 20.2
	18	0 4 8.42	14.83	2 21 34.8	1 30.3	0.934 2146	3501	22 16.0
	19	0 3 53.59	14.63	2 23 5.1	1 28.6	0.934 5647	3637	22 11.8
	20	0 3 38.96	14.41	−2 24 33.7	1 27.0	0.934 9284	3772	22 7.6
	21	0 3 24.55	14.20	2 26 0.7	1 25.2	0.935 3056	3905	22 3.5
	22	0 3 10.35	13.97	2 27 25.9	1 23.5	0.935 6961	4037	21 59.3
	23	0 2 56.38	13.74	2 28 49.4	1 21.7	0.936 0998	4168	21 55.2
	24	0 2 42.64	13.51	2 30 11.1	1 19.8	0.936 5166	4297	21 51.0
	25	0 2 29.13	13.26	2 31 30.9	1 17.9	0.936 9463	4423	21 46.8
	26	0 2 15.87	13.01	−2 32 48.8	1 16.0	0.937 3886	4549	21 42.7
	27	0 2 2.86	12.75	2 34 4.8	1 14.1	0.937 8435	4671	21 38.6
	28	0 1 50.11	12.48	2 35 18.9	1 12.0	0.938 3106	4792	21 34.4
	29	0 1 37.63	12.21	2 36 30.9	1 10.0	0.938 7898	4912	21 30.3
	30	0 1 25.42	11.93	2 37 40.9	1 7.9	0.939 2810	5028	21 26.2
	31	0 1 13.49	11.64	2 38 48.8	1 5.7	0.939 7838	5143	21 22.0
Nov.	1	0 1 1.85	11.35	−2 39 54.5	1 3.6	0.940 2981	5255	21 17.9
	2	0 0 50.50	11.04	2 40 58.1	1 1.3	0.940 8236	5366	21 13.8
	3	0 0 39.46	10.74	2 41 59.4	0 59.1	0.941 3602	5474	21 9.7
	4	0 0 28.72	10.42	2 42 58.5	0 56.8	0.941 9076	5580	21 5.6
	5	0 0 18.30	10.11	2 43 55.3	0 54.5	0.942 4656	5683	21 1.5
	6	0 0 8.19	9.78	2 44 49.8	0 52.2	0.943 0339	5783	20 57.4
	7	23 59 58.41	9.46	−2 45 42.0	0 49.9	0.943 6122	5881	20 53.3
	8	23 59 48.95	9.12	2 46 31.9	0 47.5	0.944 2003	5976	20 49.2
	9	23 59 39.83	8.78	2 47 19.4	0 45.1	0.944 7979	6068	20 45.1
	10	23 59 31.05	8.43	2 48 4.5	0 42.7	0.945 4047	6158	20 41.1
	11	23 59 22.62	8.09	2 48 47.2	0 40.2	0.946 0205	6245	20 37.0
	12	23 59 14.53	7.73	2 49 27.4	0 37.8	0.946 6450	6329	20 32.9
	13	23 59 6.80	7.39	−2 50 5.2	0 35.2	0.947 2779	6411	20 28.9
	14	23 58 59.41	7.02	2 50 40.4	0 32.8	0.947 9190	6491	20 24.8
	15	23 58 52.39	6.66	2 51 13.2	0 30.2	0.948 5681	6567	20 20.8
	16	23 58 45.73	6.30	2 51 43.4	0 27.8	0.949 2248	6642	20 16.7
	17	23 58 39.43	5.94	2 52 11.2	0 25.2	0.949 8890	6712	20 12.7
	18	23 58 33.49	5.56	2 52 36.4	0 22.7	0.950 5602	6782	20 8.7
	19	23 58 27.93	5.19	−2 52 59.1	0 20.1	0.951 2384	6849	20 4.7
	20	23 58 22.74	4.82	2 53 19.2	0 17.6	0.951 9233	6913	20 0.7
	21	23 58 17.92	4.44	2 53 36.8	0 14.9	0.952 6146	6975	19 56.7
	22	23 58 13.48	4.06	2 53 51.7	0 12.4	0.953 3121	7034	19 52.7
	23	23 58 9.42	3.68	2 54 4.1	0 9.8	0.954 0155	7090	19 48.7
	24	23 58 5.74		−2 54 13.9		0.954 7245		19 44.7

Tag		0h Welt-Zeit: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1937		h m s	s	° ′ ″	′ ″			h m
Nov.	24	23 58 5.74	3.30	−2 54 13.9	0 7.2	0.954 7245	7145	19 44.7
	25	23 58 2.44	2.91	2 54 21.1	0 4.5	0.955 4390	7195	19 40.7
	26	23 57 59.53	2.51	2 54 25.6	0 1.9	0.956 1585	7244	19 36.7
	27	23 57 57.02	2.13	2 54 27.5	0 0.7	0.956 8829	7290	19 32.7
	28	23 57 54.89	1.74	2 54 26.8	0 3.3	0.957 6119	7335	19 28.8
	29	23 57 53.15	1.34	2 54 23.5	0 6.0	0.958 3454	7377	19 24.8
	30	23 57 51.81	0.94	−2 54 17.5	0 8.6	0.959 0831	7415	19 20.9
Dez.	1	23 57 50.87	0.55	2 54 8.9	0 11.3	0.959 8246	7451	19 16.9
	2	23 57 50.32	0.16	2 53 57.6	0 13.9	0.960 5697	7484	19 13.0
	3	23 57 50.16	0.25	2 53 43.7	0 16.6	0.961 3181	7514	19 9.1
	4	23 57 50.41	0.65	2 53 27.1	0 19.2	0.962 0695	7542	19 5.1
	5	23 57 51.06	1.04	2 53 7.9	0 21.8	0.962 8237	7566	19 1.2
	6	23 57 52.10	1.45	−2 52 46.1	0 24.4	0.963 5803	7589	18 57.2
	7	23 57 53.55	1.85	2 52 21.7	0 27.1	0.964 3392	7609	18 53.4
	8	23 57 55.40	2.25	2 51 54.6	0 29.6	0.965 1001	7625	18 49.5
	9	23 57 57.65	2.65	2 51 25.0	0 32.2	0.965 8626	7639	18 45.6
	10	23 58 0.30	3.04	2 50 52.8	0 34.9	0.966 6265	7651	18 41.8
	11	23 58 3.34	3.44	2 50 17.9	0 37.4	0.967 3916	7659	18 37.9
	12	23 58 6.78	3.84	−2 49 40.5	0 40.0	0.968 1575	7666	18 34.0
	13	23 58 10.62	4.23	2 49 0.5	0 42.6	0.968 9241	7670	18 30.1
	14	23 58 14.85	4.62	2 48 17.9	0 45.1	0.969 6911	7672	18 26.3
	15	23 58 19.47	5.01	2 47 32.8	0 47.6	0.970 4583	7672	18 22.4
	16	23 58 24.48	5.40	2 46 45.2	0 50.1	0.971 2255	7669	18 18.6
	17	23 58 29.88	5.79	2 45 55.1	0 52.6	0.971 9924	7665	18 14.7
	18	23 58 35.67	6.18	−2 45 2.5	0 55.0	0.972 7589	7658	18 10.9
	19	23 58 41.85	6.56	2 44 7.5	0 57.6	0.973 5247	7649	18 7.1
	20	23 58 48.41	6.94	2 43 9.9	1 0.0	0.974 2896	7638	18 3.3
	21	23 58 55.35	7.33	2 42 9.9	1 2.4	0.975 0534	7626	17 59.5
	22	23 59 2.68	7.70	2 41 7.5	1 4.8	0.975 8160	7610	17 55.7
	23	23 59 10.38	8.08	2 40 2.7	1 7.3	0.976 5770	7594	17 51.9
	24	23 59 18.46	8.46	−2 38 55.4	1 9.7	0.977 3364	7575	17 48.1
	25	23 59 26.92	8.83	2 37 45.7	1 12.0	0.978 0939	7553	17 44.3
	26	23 59 35.75	9.21	2 36 33.7	1 14.4	0.978 8492	7530	17 40.5
	27	23 59 44.96	9.58	2 35 19.3	1 16.8	0.979 6022	7504	17 36.7
	28	23 59 54.54	9.95	2 34 2.5	1 19.1	0.980 3526	7476	17 33.0
	29	0 0 4.49	10.31	2 32 43.4	1 21.3	0.981 1002	7447	17 29.2
	30	0 0 14.80	10.67	−2 31 22.1	1 23.7	0.981 8449	7414	17 25.4
	31	0 0 25.47	11.05	2 29 58.4	1 25.9	0.982 5863	7380	17 21.7
	32	0 0 36.52		−2 28 32.5		0.983 3243		17 17.9

Uranus 1937

Tag	0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1937	h m s	s	° ′ ″	′ ″			h m
Jan. −1	2 14 15.97	10.48	+12 59 50.9	0 46.3	1.285 4384	1 3913	19 38.0
+3	14 5.49	7.35	59 4.6	0 30.1	286 8297	1 4309	19 22.1
7	13 58.14	4.15	58 34.5	0 13.6	288 2606	1 4624	19 6.2
11	13 53.99	0.92	58 20.9	0 3.2	289 7230	1 4861	18 50.4
15	13 53.07	2.37	58 24.1	0 20.1	291 2091	1 5017	18 34.7
19	2 13 55.44	5.65	+12 58 44.2	0 36.9	1.292 7108	1 5091	18 19.0
23	14 1.09	8.86	+12 59 21.1	0 53.5	294 2199	1 5090	18 3.4
27	14 9.95	12.08	+13 0 14.6	1 9.7	295 7289	1 5021	17 47.9
31	14 22.03	15.22	1 24.3	1 25.9	297 2310	1 4883	17 32.3
Febr. 4	14 37.25	18.35	2 50.2	1 41.7	298 7193	1 4677	17 16.9
8	2 14 55.60	21.39	+13 4 31.9	1 57.0	1.300 1870	1 4400	17 1.5
12	15 16.99	24.37	6 28.9	2 11.9	301 6270	1 4056	16 46.1
16	15 41.36	27.21	8 40.8	2 26.0	303 0326	1 3648	16 30.8
20	16 8.57	29.95	11 6.8	2 39.5	304 3974	1 3184	16 15.5
24	16 38.52	32.56	13 46.3	2 52.3	305 7158	1 2670	16 0.3
28	2 17 11.08	35.06	+13 16 38.6	3 4.4	1.306 9828	1 2111	15 45.1
März 4	17 46.14	37.44	19 43.0	3 15.8	308 1939	1 1503	15 30.0
8	18 23.58	39.68	22 58.8	3 26.4	309 3442	1 0848	15 14.9
12	19 3.26	41.77	26 25.2	3 36.1	310 4290	1 0152	14 59.8
16	19 45.03	43.71	30 1.3	3 45.1	311 4442	9412	14 44.8
20	2 20 28.74	45.48	+13 33 46.4	3 52.9	1.312 3854	8647	14 29.8
24	21 14.22	47.08	37 39.3	4 0.0	313 2501	7856	14 14.8
28	22 1.30	48.53	41 39.3	4 6.2	314 0357	7039	13 59.9
April 1	22 49.83	49.83	45 45.5	4 11.5	314 7396	6205	13 44.9
5	23 39.66	50.97	49 57.0	4 16.0	315 3601	5343	13 30.1
9	2 24 30.63	51.94	+13 54 13.0	4 19.7	1.315 8944	4464	13 15.2
13	25 22.57	52.73	+13 58 32.7	4 22.3	316 3408	3570	13 0.3
17	26 15.30	53.32	+14 2 55.0	4 23.9	316 6978	2671	12 45.5
21	27 8.62	53.76	7 18.9	4 24.9	316 9649	1766	12 30.6
25	28 2.38	54.03	11 43.8	4 24.9	317 1415	864	12 15.8
29	2 28 56.41	54.14	+14 16 8.7	4 24.2	1.317 2279	40	12 0.9
Mai 3	29 50.55	54.09	20 32.9	4 22.6	317 2239	944	11 46.1
7	30 44.64	53.89	24 55.5	4 20.3	317 1295	1851	11 31.3
11	31 38.53	53.46	29 15.8	4 17.0	316 9444	2747	11 16.4
15	32 31.99	52.88	33 32.8	4 13.0	316 6697	3630	11 1.6
19	2 33 24.87	52.13	+14 37 45.8	4 8.3	1.316 3067	4494	10 46.8
23	34 17.00	51.24	41 54.1	4 2.7	315 8573	5343	10 31.9
27	35 8.24	50.19	45 56.8	3 56.6	315 3230	6171	10 17.0
31	35 58.43	48.98	49 53.4	3 49.9	314 7059	6982	10 2.1
Juni 4	36 47.41	47.63	53 43.3	3 42.5	314 0077	7774	9 47.2
8	2 37 35.04	46.09	+14 57 25.8	3 34.2	1.313 2303	8538	9 32.3
12	38 21.13	44.40	+15 1 0.0	3 25.4	312 3765	9270	9 17.3
16	39 5.53	42.58	4 25.4	3 16.0	311 4495	9965	9 2.3
20	39 48.11	40.60	7 41.4	3 6.1	310 4530	1 0620	8 47.3
24	40 28.71	38.53	10 47.5	2 55.7	309 3910	1 1245	8 32.2
28	41 7.24	36.32	13 43.2	2 44.9	308 2665	1 1833	8 17.1
Juli 2	2 41 43.56		+15 16 28.1		1.307 0832		8 2.0

Tag		0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1937		h m s	s	° ′ ″	′ ″			h m
Juli	2	2 41 43.56	33.97	+15 16 28.1	2 33.3	1.307 0832	1 2378	8 2.0
	6	42 17.53	31.49	19 1.4	2 21.5	305 8454	1 2881	7 46.8
	10	42 49.02	28.88	21 22.9	2 9.2	304 5573	1 3328	7 31.6
	14	43 17.90	26.19	23 32.1	1 56.3	303 2245	1 3725	7 16.4
	18	43 44.09	23.40	25 28.4	1 43.4	301 8520	1 4064	7 1.1
	22	2 44 7.49	20.54	+15 27 11.8	1 30.1	1.300 4456	1 4349	6 45.7
	26	44 28.03	17.62	28 41.9	1 16.6	299 0107	1 4581	6 30.3
	30	44 45.65	14.60	29 58.5	1 2.8	297 5526	1 4759	6 14.9
Aug.	3	45 0.25	11.52	31 1.3	0 48.6	296 0767	1 4872	5 59.4
	7	45 11.77	8.39	31 49.9	0 34.4	294 5895	1 4913	5 43.9
	11	2 45 20.16	5.24	+15 32 24.3	0 20.2	1.293 0982	1 4888	5 28.3
	15	45 25.40	2.09	32 44.5	0 6.0	291 6094	1 4792	5 12.6
	19	45 27.49	1.06	32 50.5	0 8.2	290 1302	1 4630	4 56.9
	23	45 26.43	4.19	32 42.3	0 22.3	288 6672	1 4402	4 41.2
	27	45 22.24	7.30	32 20.0	0 36.3	287 2270	1 4108	4 25.4
	31	2 45 14.94	10.38	+15 31 43.7	0 50.1	1.285 8162	1 3741	4 9.5
Sept.	4	45 4.56	13.40	30 53.6	1 3.8	284 4421	1 3294	3 53.7
	8	44 51.16	16.32	29 49.8	1 16.7	283 1127	1 2777	3 37.7
	12	44 34.84	19.13	28 33.1	1 29.6	281 8350	1 2191	3 21.7
	16	44 15.71	21.82	27 3.5	1 41.5	280 6159	1 1538	3 5.6
	20	2 43 53.89	24.36	+15 25 22.0	1 53.1	1.279 4621	1 0824	2 49.6
	24	43 29.53	26.77	23 28.9	2 4.2	278 3797	1 0054	2 33.4
	28	43 2.76	29.03	21 24.7	2 14.3	277 3743	9217	2 17.3
Okt.	2	42 33.73	31.09	19 10.4	2 23.8	276 4526	8320	2 1.0
	6	42 2.64	32.95	16 46.6	2 32.2	275 6206	7368	1 44.8
	10	2 41 29.69	34.56	+15 14 14.4	2 39.7	1.274 8838	6369	1 28.5
	14	40 55.13	35.95	11 34.7	2 46.2	274 2469	5333	1 12.2
	18	40 19.18	37.08	8 48.5	2 51.5	273 7136	4266	0 55.9
	22	39 42.10	37.98	5 57.0	2 55.8	273 2870	3171	0 39.6
	26	39 4.12	38.64	3 1.2	2 58.9	272 9699	2050	0 23.2
	30	2 38 25.48	39.03	+15 0 2.3	3 0.6	1.272 7649	909	0 6.8
Nov.	3	37 46.45	39.13	+14 57 1.7	3 1.3	272 6740	247	23 46.4
	7	37 7.32	38.93	54 0.4	3 0.5	272 6987	1397	23 30.0
	11	36 28.39	38.46	50 59.9	2 58.3	272 8384	2541	23 13.6
	15	35 49.93	37.74	48 1.6	2 55.0	273 0925	3664	22 57.3
	19	2 35 12.19	36.75	+14 45 6.6	2 50.4	1.273 4589	4767	22 40.9
	23	34 35.44	35.52	42 16.2	2 44.5	273 9356	5846	22 24.6
	27	33 59.92	34.05	39 31.7	2 37.6	274 5202	6897	22 8.3
Dez.	1	33 25.87	32.30	36 54.1	2 29.2	275 2099	7904	21 52.0
	5	32 53.57	30.32	34 24.9	2 19.7	276 0003	8862	21 35.7
	9	2 32 23.25	28.14	+14 32 5.2	2 9.2	1.276 8865	9763	21 19.5
	13	31 55.11	25.75	29 56.0	1 57.8	277 8628	1 0602	21 3.3
	17	31 29.36	23.23	27 58.2	1 45.6	278 9230	1 1377	20 47.2
	21	31 6.13	20.51	26 12.6	1 32.3	280 0607	1 2089	20 31.1
	25	30 45.62	17.69	24 40.3	1 18.7	281 2696	1 2736	20 15.0
	29	30 27.93	14.70	23 21.6	1 4.1	282 5432	1 3311	19 59.0
	33	2 30 13.23		+14 22 17.5		1.283 8743		19 43.0

Neptun 1937

Tag	0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1937	h m s	s	° ′ ″	′ ″			h m
Jan. −1	11 21 1.53	5.08	+5 20 52.9	0 43.7	1.475 1806	9422	4 47.2
+3	20 56.45	7.04	21 36.6	0 55.9	474 2384	9164	4 31.4
7	20 49.41	8.95	22 32.5	1 7.9	473 3220	8853	4 15.6
11	20 40.46	10.79	23 40.4	1 19.2	472 4367	8492	3 59.7
15	20 29.67	12.56	24 59.6	1 30.2	471 5875	8087	3 43.8
19	11 20 17.11	14.25	+5 26 29.8	1 40.4	1.470 7788	7633	3 27.8
23	20 2.86	15.81	28 10.2	1 49.9	470 0155	7140	3 11.9
27	19 47.05	17.29	30 0.1	1 58.8	469 3015	6612	2 55.9
31	19 29.76	18.65	31 58.9	2 6.9	468 6403	6048	2 39.9
Febr. 4	19 11.11	19.91	34 5.8	2 14.2	468 0355	5449	2 23.8
8	11 18 51.20	21.03	+5 36 20.0	2 20.7	1.467 4906	4816	2 7.8
12	18 30.17	22.01	38 40.7	2 26.2	467 0090	4156	1 51.7
16	18 8.16	22.82	41 6.9	2 30.8	466 5934	3473	1 35.6
20	17 45.34	23.50	43 37.7	2 34.1	466 2461	2774	1 19.5
24	17 21.84	24.00	46 11.8	2 36.7	465 9687	2067	1 3.4
28	11 16 57.84	24.39	+5 48 48.5	2 38.4	1.465 7620	1346	0 47.3
März 4	16 33.45	24.61	51 26.9	2 38.9	465 6274	621	0 31.1
8	16 8.84	24.67	54 5.8	2 38.4	465 5653	−112	0 15.0
12	15 44.17	24.57	56 44.2	2 37.1	465 5765	841	23 54.8
16	15 19.60	24.29	+5 59 21.3	2 34.6	465 6606	1563	23 38.7
20	11 14 55.31	23.87	+6 1 55.9	2 31.1	1.465 8169	2270	23 22.6
24	14 31.44	23.30	4 27.0	2 26.7	466 0439	2959	23 6.4
28	14 8.14	22.59	6 53.7	2 21.5	466 3398	3630	22 50.3
April 1	13 45.55	21.75	9 15.2	2 15.5	466 7028	4281	22 34.2
5	13 23.80	20.78	11 30.7	2 8.7	467 1309	4907	22 18.2
9	11 13 3.02	19.65	+6 13 39.4	2 0.9	1.467 6216	5508	22 2.1
13	12 43.37	18.43	15 40.3	1 52.6	468 1724	6073	21 46.0
17	12 24.94	17.07	17 32.9	1 43.4	468 7797	6600	21 30.0
21	12 7.87	15.64	19 16.3	1 34.0	469 4397	7089	21 14.0
25	11 52.23	14.10	20 50.3	1 23.8	470 1486	7541	20 58.0
29	11 11 38.13	12.50	+6 22 14.1	1 13.3	1.470 9027	7953	20 42.1
Mai 3	11 25.63	10.82	23 27.4	1 2.3	471 6980	8328	20 26.1
7	11 14.81	9.06	24 29.7	0 50.9	472 5308	8659	20 10.2
11	11 5.75	7.25	25 20.6	0 39.2	473 3967	8943	19 54.4
15	10 58.50	5.39	25 59.8	0 27.4	474 2910	9180	19 38.5
19	11 10 53.11	3.50	+6 26 27.2	0 15.2	1.475 2090	9374	19 22.7
23	10 49.61	1.61	26 42.4	0 3.2	476 1464	9518	19 6.9
27	10 48.00	0.31	26 45.6	0 9.0	477 0982	9621	18 51.2
31	10 48.31	2.23	26 36.6	0 21.1	478 0603	9687	18 35.5
Juni 4	10 50.54	4.16	26 15.5	0 33.2	479 0290	9705	18 19.8
8	11 10 54.70	6.09	+6 25 42.3	0 45.4	1.479 9995	9677	18 4.1
12	11 0.79	8.00	24 56.9	0 57.3	480 9672	9604	17 48.5
16	11 8.79	9.86	23 59.6	1 8.9	481 9276	9488	17 32.9
20	11 18.65	11.70	22 50.7	1 20.3	482 8764	9334	17 17.4
24	11 30.35	13.48	21 30.4	1 31.4	483 8098	9141	17 1.8
28	11 43.83	15.23	19 59.0	1 42.1	484 7239	8913	16 46.3
Juli 2	11 11 59.06		+6 18 16.9		1.485 6152		16 30.9

Tag		0ʰ Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1937		h m s	s	° ′ ″	′ ″			h m
Juli	2	11 11 59.06	16.93	+6 18 16.9	1 52.7	1.485 6152	8651	16 30.9
	6	12 15.99	18.56	16 24.2	2 2.8	486 4803	8348	16 15.4
	10	12 34.55	20.14	14 21.4	2 12.4	487 3151	8009	16 0.0
	14	12 54.69	21.64	12 9.0	2 21.6	488 1160	7638	15 44.6
	18	13 16.33	23.05	9 47.4	2 30.1	488 8798	7239	15 29.2
	22	11 13 39.38	24.39	+6 7 17.3	2 38.2	1.489 6037	6813	15 13.9
	26	14 3.77	25.64	4 39.1	2 45.8	490 2850	6362	14 58.6
	30	14 29.41	26.81	+6 1 53.3	2 52.9	490 9212	5888	14 43.3
Aug.	3	14 56.22	27.90	+5 59 0.4	2 59.4	491 5100	5385	14 28.0
	7	15 24.12	28.89	56 1.0	3 5.2	492 0485	4859	14 12.7
	11	11 15 53.01	29.76	+5 52 55.8	3 10.4	1.492 5344	4315	13 57.5
	15	16 22.77	30.54	49 45.4	3 14.8	492 9659	3755	13 42.3
	19	16 53.31	31.21	46 30.6	3 18.6	493 3414	3183	13 27.0
	23	17 24.52	31.76	43 12.0	3 21.9	493 6597	2599	13 11.8
	27	17 56.28	32.24	39 50.1	3 24.4	493 9196	2002	12 56.6
	31	11 18 28.52	32.60	+5 36 25.7	3 26.3	1.494 1198	1393	12 41.4
Sept.	4	19 1.12	32.86	32 59.4	3 27.2	494 2591	776	12 26.3
	8	19 33.98	32.96	29 32.2	3 27.6	494 3367	154	12 11.1
	12	20 6.94	32.98	26 4.6	3 27.2	494 3521	$\overline{468}$	11 55.9
	16	20 39.92	32.86	22 37.4	3 26.1	494 3053	1089	11 40.7
	20	11 21 12.78	32.64	+5 19 11.3	3 24.1	1.494 1964	1707	11 25.5
	24	21 45.42	32.32	15 47.2	3 21.7	494 0257	2320	11 10.3
	28	22 17.74	31.88	12 25.5	3 18.4	493 7937	2928	10 55.2
Okt.	2	22 49.62	31.31	9 7.1	3 14.3	493 5009	3531	10 40.0
	6	23 20.93	30.64	5 52.8	3 9.5	493 1478	4122	10 24.8
	10	11 23 51.57	29.83	+5 2 43.3	3 3.9	1.492 7356	4697	10 9.5
	14	24 21.40	28.92	+4 59 39.4	2 57.6	492 2659	5251	9 54.3
	18	24 50.32	27.93	56 41.8	2 50.9	491 7408	5786	9 39.0
	22	25 18.25	26.81	53 50.9	2 43.3	491 1622	6300	9 23.8
	26	25 45.06	25.59	51 7.6	2 35.0	490 5322	6797	9 8.5
	30	11 26 10.65	24.28	+4 48 32.6	2 26.3	1.489 8525	7264	8 53.2
Nov.	3	26 34.93	22.87	46 6.3	2 16.8	489 1261	7704	8 37.9
	7	26 57.80	21.34	43 49.5	2 6.7	488 3557	8110	8 22.5
	11	27 19.14	19.75	41 42.8	1 56.0	487 5447	8478	8 7.1
	15	27 38.89	18.07	39 46.8	1 45.1	486 6969	8811	7 51.7
	19	11 27 56.96	16.35	+4 38 1.7	1 33.7	1.485 8158	9107	7 36.3
	23	28 13.31	14.53	36 28.0	1 21.9	484 9051	9367	7 20.8
	27	28 27.84	12.66	35 6.1	1 9.5	483 9684	9585	7 5.3
Dez.	1	28 40.50	10.76	33 56.6	0 57.1	483 0099	9756	6 49.8
	5	28 51.26	8.75	32 59.5	0 44.2	482 0343	9882	6 34.3
	9	11 29 0.01	6.73	+4 32 15.3	0 31.2	1.481 0461	9957	6 18.7
	13	29 6.74	4.74	31 44.1	0 18.3	480 0504	9983	6 3.1
	17	29 11.48	2.72	31 25.8	0 5.1	479 0521	9961	5 47.4
	21	29 14.20	0.67	31 20.7	$\overline{0\ 7.8}$	478 0560	9896	5 31.7
	25	29 14.87	$\overline{1.36}$	31 28.5	0 20.8	477 0664	9778	5 16.0
	29	29 13.51	3.37	31 49.3	0 33.5	476 0886	9611	5 0.3
	33	11 29 10.14		+4 32 22.8		1.475 1275		4 44.5

Pluto 1937

Tag		Rektaszension 1925.0			Diff.	Fixstern-aberration	Deklination 1925.0			Diff.	Fixstern-aberration	log Δ	Diff.	Licht-zeit	Obere Kulmination in Greenwich	
		0h Welt-Zeit														
1937		h	m	s	s	s	°	′	″	″	″			d	h	m
Jan.	−2	8	2	9.14	20.89	+1.35	+23	5	8.0	81.7	−4.2	1.587 8436	2828	0.2234	1	34
	+2		1	48.25	21.49	1.39		6	29.7	82.1	4.2	587 5608	2297	2232	1	17
	6		1	26.76	21.95	1.41		7	51.8	82.1	4.2	587 3311	1751	2231	1	1
	10		1	4.81	22.27	1.43		9	13.9	81.6	4.2	587 1560	1196	2230	0	45
	14		0	42.54	22.43	1.45		10	35.5	80.7	4.2	587 0364	637	2230	0	29
	18	8	0	20.11	22.46	+1.45	+23	11	56.2	79.3	−4.1	1.586 9727	78	0.2229	0	13
	22	7	59	57.65	22.34	1.45		13	15.5	77.6	4.0	586 9649	479	2229	23	53
	26		59	35.31	22.10	1.44		14	33.1	75.5	3.9	587 0128	1029	2229	23	37
	30		59	13.21	21.72	1.42		15	48.6	73.1	3.8	587 1157	1572	2230	23	21
Febr.	3		58	51.49	21.20	1.40		17	1.7	70.3	3.6	587 2729	2105	2231	23	5
	7	7	58	30.29	20.55	+1.37	+23	18	12.0	67.1	−3.5	1.587 4834	2625	0.2232	22	49
	11		58	9.74	19.78	1.33		19	19.1	63.7	3.3	587 7459	3127	2233	22	33
	15		57	49.96	18.88	1.28		20	22.8	60.1	3.1	588 0586	3608	2235	22	17
	19		57	31.08	17.86	1.23		21	22.9	56.1	2.9	588 4194	4064	2237	22	1
	23		57	13.22	16.73	1.17		22	19.0	51.9	2.7	588 8258	4494	2239	21	45
	27	7	56	56.49	15.52	+1.11	+23	23	10.9	47.6	−2.4	1.589 2752	4899	0.2241	21	29
März	3		56	40.97	14.21	1.04		23	58.5	43.0	2.2	589 7651	5277	2244	21	13
	7		56	26.76	12.82	0.96		24	41.5	38.4	1.9	590 2928	5624	2246	20	57
	11		56	13.94	11.35	0.88		25	19.9	33.7	1.6	590 8552	5940	2249	20	41
	15		56	2.59	9.80	0.80		25	53.6	28.8	1.4	591 4492	6220	2252	20	25
	19	7	55	52.79	8.20	+0.71	+23	26	22.4	23.8	−1.1	1.592 0712	6463	0.2256	20	9
	23		55	44.59	6.56	0.62		26	46.2	18.9	0.8	592 7175	6673	2259	19	53
	27		55	38.03	4.88	0.53		27	5.1	13.9	0.5	593 3848	6847	2262	19	37
	31		55	33.15	3.19	0.43		27	19.0	9.0	−0.3	594 0695	6986	2266	19	21
April	4		55	29.96	1.46	0.33		27	28.0	4.1	0.0	594 7681	7091	2270	19	6
	8	7	55	28.50	0.29	+0.24	+23	27	32.1	0.8	+0.3	1.595 4772	7160	0.2273	18	50
	12		55	28.79	2.05	0.14		27	31.3	5.6	0.6	596 1932	7191	2277	18	34
	16		55	30.84	3.79	+0.04		27	25.7	10.3	0.8	596 9123	7186	2281	18	18
	20		55	34.63	5.50	−0.06		27	15.4	14.9	1.1	597 6309	7145	2285	18	3
	24		55	40.13	7.20	0.16		27	0.5	19.4	1.4	598 3454	7072	2288	17	47
	28	7	55	47.33	8.87	−0.26	+23	26	41.1	23.7	+1.6	1.599 0526	6968	0.2292	17	31
Mai	2		55	56.20	10.51	0.35		26	17.4	27.9	1.9	599 7494	6833	2296	17	16
	6		56	6.71	12.10	0.45		25	49.5	32.0	2.1	600 4327	6666	2299	17	0
	10		56	18.81	13.66	0.54		25	17.5	35.9	2.4	601 0993	6469	2303	16	45
	14		56	32.47	15.15	0.63		24	41.6	39.5	2.6	601 7462	6241	2306	16	29
	18	7	56	47.62	16.59	−0.71	+23	24	2.1	42.9	+2.8	1.602 3703	5985	0.2310	16	14
	22		57	4.21	17.95	0.80		23	19.2	46.2	3.0	602 9688	5706	2313	15	58
	26		57	22.16	19.24	0.88		22	33.0	49.2	3.2	603 5394	5404	2316	15	43
	30		57	41.40	20.47	0.95		21	43.8	52.1	3.3	604 0798	5080	2319	15	27
Juni	3		58	1.87	21.63	1.02		20	51.7	54.7	3.5	604 5878	4735	2321	15	12
	7	7	58	23.50	22.69	−1.08	+23	19	57.0	57.1	+3.6	1.605 0613	4367	0.2324	14	56
	11		58	46.19	23.68	1.14		18	59.9	59.1	3.8	605 4980	3980	2326	14	41
	15		59	9.87	24.57	1.20		18	0.8	61.0	3.9	605 8960	3577	2329	14	26
	19		59	34.44	25.37	1.25		16	59.8	62.5	4.0	606 2537	3161	2330	14	10
	23	7	59	59.81	26.08	1.30		15	57.3	63.8	4.1	606 5698	2734	2332	13	55
	27	8	0	25.89	26.70	1.34		14	53.5	64.9	4.1	606 8432	2296	2334	13	40
Juli	1	8	0	52.59		−1.37	+23	13	48.6		+4.2	1.607 0728		0.2335	13	25

Tag	Rektaszension 1925.0 (0h Welt-Zeit)		Fixstern-aberration	Deklination 1925.0		Fixstern-aberration	log Δ		Licht-zeit	Obere Kulmination in Greenwich
1937	h m s	s	s	° ′ ″	″	″			d	h m
Juli 1	8 0 52.59	27.22	−1.37	+23 13 48.6	65.6	+4.2	1.607 0728	1845	0.2335	13 25
5	1 19.81	27.66	1.40	12 43.0	66.1	4.2	607 2573	1385	2336	13 9
9	1 47.47	27.98	1.42	11 36.9	66.3	4.2	607 3958	916	2337	12 54
13	2 15.45	28.20	1.44	10 30.6	66.2	4.2	607 4874	444	2337	12 39
17	2 43.65	28.33	1.45	9 24.4	65.7	4.2	607 5318	29	2337	12 24
21	8 3 11.98	28.35	−1.45	+23 8 18.7	65.1	+4.2	1.607 5289	502	0.2337	12 8
25	3 40.33	28.27	1.45	7 13.6	64.2	4.1	607 4787	975	2337	11 53
29	4 8.60	28.11	1.44	6 9.4	62.9	4.1	607 3812	1447	2336	11 38
Aug. 2	4 36.71	27.83	1.43	5 6.5	61.3	4.0	607 2365	1919	2336	11 23
6	5 4.54	27.46	1.41	4 5.2	59.4	3.9	607 0446	2385	2335	11 7
10	8 5 32.00	26.98	−1.38	+23 3 5.8	57.2	+3.8	1.606 8061	2843	0.2333	10 52
14	5 58.98	26.39	1.35	2 8.6	54.7	3.6	606 5218	3291	2332	10 37
18	6 25.37	25.72	1.31	1 13.9	52.0	3.5	606 1927	3726	2330	10 22
22	6 51.09	24.96	1.27	+23 0 21.9	49.0	3.3	605 8201	4148	2328	10 6
26	7 16.05	24.11	1.22	+22 59 32.9	45.7	3.1	605 4053	4559	2326	9 51
30	8 7 40.16	23.17	−1.17	+22 58 47.2	42.1	+2.9	1.604 9494	4956	0.2323	9 36
Sept. 3	8 3.33	22.13	1.11	58 5.1	38.3	2.7	604 4538	5335	2321	9 21
7	8 25.46	21.00	1.04	57 26.8	34.2	2.4	603 9203	5693	2318	9 5
11	8 46.46	19.79	0.97	56 52.6	29.8	2.2	603 3510	6028	2315	8 50
15	9 6.25	18.51	0.90	56 22.8	25.4	1.9	602 7482	6340	2312	8 34
19	8 9 24.76	17.16	−0.82	+22 55 57.4	20.7	+1.7	1.602 1142	6627	0.2308	8 19
23	9 41.92	15.74	0.74	55 36.7	15.8	1.4	601 4515	6890	2305	8 4
27	9 57.66	14.26	0.66	55 20.9	10.8	1.1	600 7625	7127	2301	7 48
Okt. 1	10 11.92	12.71	0.57	55 10.1	5.6	0.8	600 0498	7336	2297	7 33
5	10 24.63	11.10	0.48	55 4.5	0.2	0.5	599 3162	7512	2294	7 17
9	8 10 35.73	9.45	−0.38	+22 55 4.3	5.2	+0.2	1.598 5650	7653	0.2290	7 2
13	10 45.18	7.77	0.29	55 9.5	10.6	−0.1	597 7997	7762	2285	6 46
17	10 52.95	6.05	0.19	55 20.1	16.1	0.4	597 0235	7836	2281	6 30
21	10 59.00	4.32	−0.09	55 36.2	21.5	0.7	596 2399	7877	2277	6 15
25	11 3.32	2.56	+0.01	55 57.7	27.0	1.1	595 4522	7883	2273	5 59
29	8 11 5.88	0.79	+0.11	+22 56 24.7	32.5	−1.4	1.594 6639	7853	0.2269	5 44
Nov. 2	11 6.67	0.98	0.21	56 57.2	37.8	1.7	593 8786	7785	2265	5 28
6	11 5.69	2.75	0.31	57 35.0	43.0	2.0	593 1001	7677	2261	5 12
10	11 2.94	4.49	0.41	58 18.0	48.0	2.3	592 3324	7531	2257	4 56
14	10 58.45	6.19	0.51	59 6.0	52.8	2.5	591 5793	7348	2253	4 40
18	8 10 52.26	7.86	+0.60	+22 59 58.8	57.4	−2.8	1.590 8445	7130	0.2249	4 24
22	10 44.40	9.48	0.69	+23 0 56.2	61.8	3.0	590 1315	6878	2246	4 8
26	10 34.92	11.06	0.78	1 58.0	65.9	3.3	589 4437	6590	2242	3 53
30	10 23.86	12.57	0.87	3 3.9	69.7	3.5	588 7847	6267	2239	3 37
Dez. 4	10 11.29	14.01	0.95	4 13.6	73.2	3.7	588 1580	5908	2235	3 21
8	8 9 57.28	15.34	+1.03	+23 5 26.8	76.2	−3.9	1.587 5672	5517	0.2232	3 5
12	9 41.94	16.59	1.10	6 43.0	78.9	4.0	587 0155	5098	2229	2 49
16	9 25.35	17.74	1.16	8 1.9	81.1	4.2	586 5057	4655	2227	2 33
20	9 7.61	18.78	1.22	9 23.0	83.0	4.3	586 0402	4188	2224	2 17
24	8 48.83	19.70	1.27	10 46.0	84.5	4.3	585 6214	3699	2222	2 1
28	8 29.13	20.53	1.32	12 10.5	85.5	4.4	585 2515	3190	2220	1 45
32	8 8 8.60		+1.36	+23 13 36.0		−4.4	1.584 9325		0.2219	1 29

0ʰ Welt-Zeit	Mittleres Äquinoktium 1925.0											
	X			*ΔX**)	*Y*			*ΔY**)	*Z*			*ΔZ**)
1937												
Jan. 0	+0.153 531	+17 247	− 46	+5	−0.890 962	+ 2 652	+276	+1	−0.386 434	+1 150	+120	+2
1	0.170 778	17 195	52	+3	0.888 310	2 928	276	+3	0.385 284	1 270	120	+1
2	0.187 973	17 138	57	+2	0.885 382	3 203	275	+2	0.384 014	1 389	119	−3
3	0.205 111	17 076	62	+2	0.882 179	3 478	275	+3	0.382 625	1 508	119	−3
4	0.222 187	17 008	68	−2	0.878 701	3 751	273	−1	0.381 117	1 627	119	0
5	0.239 195	16 935	73	−2	0.874 950	4 024	273	+1	0.379 490	1 746	119	+1
6	+0.256 130	+16 856	− 79	−2	−0.870 926	+ 4 296	+272	−1	−0.377 744	+1 863	+117	−4
7	0.272 986	16 773	83	+3	0.866 630	4 566	270	−5	0.375 881	1 981	118	+1
8	0.289 759	16 683	90	−2	0.862 064	4 835	269	−2	0.373 900	2 098	117	+1
9	0.306 442	16 589	94	+1	0.857 229	5 104	269	+4	0.371 802	2 214	116	0
10	0.323 031	16 488	101	−3	0.852 125	5 370	266	−1	0.369 588	2 330	116	+1
11	0.339 519	16 383	105	+2	0.846 755	5 635	265	0	0.367 258	2 444	114	−2
12	+0.355 902	+16 272	−111	−1	−0.841 120	+ 5 898	+263	0	−0.364 814	+2 559	+115	+4
13	0.372 174	16 155	117	−4	0.835 222	6 159	261	0	0.362 255	2 672	113	+1
14	0.388 329	16 033	122	−1	0.829 063	6 418	259	+1	0.359 583	2 784	112	0
15	0.404 362	15 907	126	+3	0.822 645	6 675	257	+3	0.356 799	2 895	111	+1
16	0.420 269	15 774	133	−3	0.815 970	6 930	255	+3	0.353 904	3 006	111	+4
17	0.436 043	15 637	137	−1	0.809 040	7 181	251	−3	0.350 898	3 114	108	−1
18	+0.451 680	+15 495	−142	−1	−0.801 859	+ 7 430	+249	−2	−0.347 784	+3 223	+109	+4
19	0.467 175	15 348	147	−2	0.794 429	7 676	246	−1	0.344 561	3 329	106	−2
20	0.482 523	15 197	151	−1	0.786 753	7 920	244	+4	0.341 232	3 434	105	−1
21	0.497 720	15 041	156	−4	0.778 833	8 161	241	+5	0.337 798	3 539	105	+4
22	0.512 761	14 881	160	−4	0.770 672	8 399	238	+3	0.334 259	3 642	103	+3
23	0.527 642	14 716	165	−5	0.762 273	8 634	235	0	0.330 617	3 744	102	+3
24	+0.542 358	+14 548	−168	+2	−0.753 639	+ 8 866	+232	−3	−0.326 873	+3 845	+101	+1
25	0.556 906	14 376	172	+5	0.744 773	9 095	229	−4	0.323 028	3 944	99	−5
26	0.571 282	14 200	176	+5	0.735 678	9 322	227	−2	0.319 084	4 042	98	−4
27	0.585 482	14 019	181	+2	0.726 356	9 545	223	−4	0.315 042	4 140	98	+2
28	0.599 501	13 835	184	+5	0.716 811	9 767	222	+3	0.310 902	4 236	96	0
29	0.613 336	13 647	188	+4	0.707 044	9 985	218	+2	0.306 666	4 330	94	−3
30	+0.626 983	+13 454	−193	−1	−0.697 059	+10 201	+216	+3	−0.302 336	+4 424	+ 94	+3
31	0.640 437	13 257	197	−2	0.686 858	10 413	212	−2	0.297 912	4 517	93	+5
Febr. 1	0.653 694	13 057	200	+1	0.676 445	10 623	210	0	0.293 395	4 608	91	+1
2	0.666 751	12 851	206	−3	0.665 822	10 829	206	−3	0.288 787	4 697	89	−4
3	0.679 602	12 643	208	+4	0.654 993	11 032	203	−3	0.284 090	4 785	88	−3
4	0.692 245	12 431	212	+4	0.643 961	11 232	200	−1	0.279 305	4 872	87	+1
5	+0.704 676	+12 213	−218	−4	−0.632 729	+11 428	+196	0	−0.274 433	+4 958	+ 86	+3
6	0.716 889	11 993	220	−1	0.621 301	11 622	194	+5	0.269 475	5 041	83	−3
7	0.728 882	11 768	225	−4	0.609 679	11 811	189	+1	0.264 434	5 123	82	−2
8	0.740 650	11 539	229	−4	0.597 868	11 997	186	+1	0.259 311	5 204	81	+2
9	0.752 189	+11 307	232	+1	0.585 871	+12 178	181	−2	0.254 107	+5 283	79	+1
10	+0.763 496		−235	+4	−0.573 693		+179	+4	−0.248 824		+ 76	−3

*) *ΔX*, *ΔY*, *ΔZ* sind in Einheiten der 7. Dezimale gegeben.

0h Welt-Zeit	Mittleres Äquinoktium 1925.0											
	X			ΔX*)	Y			ΔY*)	Z			ΔZ*)
1937												
Febr. 10	+0.763 496	+11 072	−235	+4	−0.573 693	+12 357	+179	+4	−0.248 824	+5 359	+76	−3
11	0.774 568	10 831	241	−4	0.561 336	12 530	173	−2	0.243 465	5 435	76	+4
12	0.785 399	10 589	242	+2	0.548 806	12 700	170	0	0.238 030	5 509	74	+3
13	0.795 988	10 342	247	−1	0.536 106	12 865	165	−1	0.232 521	5 579	70	−4
14	0.806 330	10 093	249	0	0.523 241	13 026	161	−1	0.226 942	5 650	71	+4
15	0.816 423	9 840	253	−2	0.510 215	13 182	156	−3	0.221 292	5 717	67	−2
16	+0.826 263	+ 9 586	−254	+3	−0.497 033	+13 334	+152	−3	−0.215 575	+5 782	+65	−2
17	0.835 849	9 328	258	−2	0.483 699	13 481	147	−5	0.209 793	5 847	65	+4
18	0.845 177	9 068	260	−3	0.470 218	13 623	142	−5	0.203 946	5 908	61	−2
19	0.854 245	8 806	262	−3	0.456 595	13 763	140	+3	0.198 038	5 968	60	0
20	0.863 051	8 541	265	−5	0.442 832	13 896	133	−5	0.192 070	6 027	59	+2
21	0.871 592	8 275	266	0	0.428 936	14 025	129	−4	0.186 043	6 082	55	−4
22	+0.879 867	+ 8 007	−268	+3	−0.414 911	+14 151	+126	+3	−0.179 961	+6 137	+55	+3
23	0.887 874	7 737	270	+2	0.400 760	14 272	121	+3	0.173 824	6 190	53	+3
24	0.895 611	7 465	272	0	0.386 488	14 389	117	+4	0.167 634	6 241	51	−1
25	0.903 076	7 190	275	−3	0.372 099	14 502	113	+5	0.161 393	6 289	48	−5
26	0.910 266	6 915	275	+2	0.357 597	14 610	108	+2	0.155 104	6 337	48	+1
27	0.917 181	6 637	278	−1	0.342 987	14 715	105	+5	0.148 767	6 382	45	−2
28	+0.923 818	+ 6 357	−280	−1	−0.328 272	+14 815	+100	+2	−0.142 385	+6 426	+44	0
März 1	0.930 175	6 076	281	+4	0.313 457	14 910	95	0	0.135 959	6 467	41	−2
2	0.936 251	5 793	283	+3	0.298 547	15 002	92	+5	0.129 492	6 507	40	+2
3	0.942 044	5 507	286	−2	0.283 545	15 089	87	+5	0.122 985	6 545	38	+4
4	0.947 551	5 221	286	+3	0.268 456	15 172	83	+5	0.116 440	6 581	36	+4
5	0.952 772	4 933	288	+2	0.253 284	15 250	78	+1	0.109 859	6 615	34	+3
6	+0.957 705	+ 4 643	−290	−2	−0.238 034	+15 323	+ 73	−3	−0.103 244	+6 647	+32	+1
7	0.962 348	4 351	292	−5	0.222 711	15 392	69	−2	0.096 597	6 676	29	−3
8	0.966 699	4 058	293	−2	0.207 319	15 456	64	−2	0.089 921	6 704	28	+2
9	0.970 757	3 765	293	+4	0.191 863	15 515	59	−2	0.083 217	6 730	26	+4
10	0.974 522	3 469	296	−2	0.176 348	15 570	55	+2	0.076 487	6 753	23	+2
11	0.977 991	3 172	297	−3	0.160 778	15 619	49	+2	0.069 734	6 775	22	+5
12	+0.981 163	+ 2 875	−297	+2	−0.145 159	+15 664	+ 45	+5	−0.062 959	+6 794	+19	+1
13	0.984 038	2 577	298	+3	0.129 495	15 703	39	+1	0.056 165	6 810	16	−2
14	0.986 615	2 278	299	+2	0.113 792	15 737	34	0	0.049 355	6 825	15	+3
15	0.988 893	1 979	299	+4	0.098 055	15 766	29	−1	0.042 530	6 838	13	+4
16	0.990 872	1 680	299	+5	0.082 289	15 789	23	−5	0.035 692	6 848	10	−1
17	0.992 552	1 381	299	+4	0.066 500	15 808	19	+1	0.028 844	6 855	7	−4
18	+0.993 933	+ 1 082	−299	+3	−0.050 692	+15 822	+ 14	+3	−0.021 989	+6 862	+ 7	+3
19	0.995 015	784	298	+4	0.034 870	15 831	9	+1	0.015 127	6 865	3	−2
20	0.995 799	485	299	0	0.019 039	15 835	+ 4	−3	0.008 262	6 868	+ 3	+2
21	0.996 284	+ 188	297	+5	−0.003 204	15 834	− 1	−5	−0.001 394	6 867	− 1	−5
22	0.996 472	− 109	297	+5	+0.012 630	+15 829	5	−1	+0.005 473	+6 865	2	−4
23	+0.996 363		−296	+4	+0.028 459		− 9	+2	+0.012 338		− 4	−3

*) ΔX, ΔY, ΔZ sind in Einheiten der 7. Dezimale gegeben.

0^h Welt-Zeit	Mittleres Äquinoktium 1925.0											
	X			ΔX*)	*Y*			ΔY*)	*Z*			ΔZ*)
1937												
März 23	+0.996 363	– 405	–296	+4	+0.028 459	+15 820	– 9	+2	+0.012 338	+6 861	– 4	–3
24	0.995 958	702	297	–2	0.044 279	15 805	15	–2	0.019 199	6 855	6	–3
25	0.995 256	997	295	+3	0.060 084	15 787	18	+3	0.026 054	6 847	8	–3
26	0.994 259	1 291	294	+5	0.075 871	15 765	22	+4	0.032 901	6 837	10	–1
27	0.992 968	1 586	295	–1	0.091 636	15 737	28	–3	0.039 738	6 826	11	+3
28	0.991 382	1 879	293	+2	0.107 373	15 705	32	–3	0.046 564	6 812	14	+1
29	+0.989 503	– 2 172	–293	0	+0.123 078	+15 670	– 35	+2	+0.053 376	+6 797	–15	+3
30	0.987 331	2 464	292	+1	0.138 748	15 629	41	–2	0.060 173	6 780	17	+1
31	0.984 867	2 755	291	+1	0.154 377	15 585	44	0	0.066 953	6 760	20	–5
April 1	0.982 112	3 046	291	–2	0.169 962	15 535	50	–3	0.073 713	6 738	22	–4
2	0.979 066	3 336	290	0	0.185 497	15 482	53	0	0.080 451	6 716	22	+3
3	0.975 730	3 624	288	+5	0.200 979	15 424	58	–3	0.087 167	6 690	26	–4
4	+0.972 106	– 3 912	–288	+4	+0.216 403	+15 361	– 63	–5	+0.093 857	+6 663	–27	–2
5	0.968 194	4 198	286	+5	0.231 764	15 294	67	–3	0.100 520	6 634	29	–1
6	0.963 996	4 484	286	0	0.247 058	15 222	72	–3	0.107 154	6 602	32	–2
7	0.959 512	4 768	284	0	0.262 280	15 146	76	+1	0.113 756	6 570	32	+4
8	0.954 744	5 051	283	–3	0.277 426	15 065	81	+1	0.120 326	6 534	36	–2
9	0.949 693	5 333	282	–4	0.292 491	14 980	85	+3	0.126 860	6 497	37	–1
10	+0.944 360	– 5 612	–279	+3	+0.307 471	+14 889	– 91	–3	+0.133 357	+6 457	–40	–3
11	0.938 748	5 889	277	+4	0.322 360	14 793	96	–4	0.139 814	6 416	41	+1
12	0.932 859	6 165	276	–1	0.337 153	14 694	99	+4	0.146 230	6 372	44	0
13	0.926 694	6 438	273	0	0.351 847	14 590	104	+3	0.152 602	6 327	45	+5
14	0.920 256	6 709	271	0	0.366 437	14 480	110	–3	0.158 929	6 280	47	+5
15	0.913 547	6 976	267	+4	0.380 917	14 368	112	+3	0.165 209	6 231	49	+3
16	+0.906 571	– 7 242	–266	–2	+0.395 285	+14 250	–118	–2	+0.171 440	+6 180	–51	+1
17	0.899 329	7 504	262	0	0.409 535	14 129	121	–1	0.177 620	6 128	52	+1
18	0.891 825	7 764	260	–3	0.423 664	14 003	126	–2	0.183 748	6 073	55	–5
19	0.884 061	8 021	257	–3	0.437 667	13 875	128	+5	0.189 821	6 017	56	–2
20	0.876 040	8 275	254	–2	0.451 542	13 742	133	+2	0.195 838	5 960	57	+2
21	0.867 765	8 527	252	–3	0.465 284	13 606	136	+4	0.201 798	5 901	59	+2
22	+0.859 238	– 8 775	–248	+1	+0.478 890	+13 467	–139	+4	+0.207 699	+5 841	–60	+4
23	0.850 463	9 021	246	–2	0.492 357	13 323	144	–4	0.213 540	5 779	62	+1
24	0.841 442	9 265	244	–4	0.505 680	13 176	147	–5	0.219 319	5 715	64	–2
25	0.832 177	9 505	240	+1	0.518 856	13 026	150	–2	0.225 034	5 650	65	0
26	0.822 672	9 742	237	+2	0.531 882	12 872	154	–1	0.230 684	5 584	66	+2
27	0.812 930	9 978	236	–4	0.544 754	12 716	156	+4	0.236 268	5 516	68	–1
28	+0.802 952	–10 209	–231	+2	+0.557 470	+12 555	–161	0	+0.241 784	+5 446	–70	–4
29	0.792 743	10 439	230	–2	0.570 025	12 392	163	+2	0.247 230	5 375	71	–2
30	0.782 304	10 665	226	+2	0.582 417	12 224	168	–4	0.252 605	5 302	73	–1
Mai 1	0.771 639	10 888	223	+3	0.594 641	12 053	171	–2	0.257 907	5 229	73	+5
2	0.760 751	–11 108	220	+1	0.606 694	+11 880	173	+5	0.263 136	+5 153	76	+1
3	+0.749 643		–218	–4	+0.618 574		–177	+3	+0.268 289		–77	+1

*) ΔX, ΔY, ΔZ sind in Einheiten der 7. Dezimale gegeben.

0^h Welt-Zeit	Mittleres Äquinoktium 1925.0											
	X	1st diff.	2nd diff.	ΔX*)	Y	1st diff.	2nd diff.	ΔY*)	Z	1st diff.	2nd diff.	ΔZ*
1937												
Mai 3	+0.749 643	−11 326	−218	−4	+0.618 574	+11 703	−177	+3	+0.268 289	+5 076	− 77	+1
4	0.738 317	11 540	214	−2	0.630 277	11 522	181	−2	0.273 365	4 998	78	+1
5	0.726 777	11 751	211	−2	0.641 799	11 337	185	−4	0.278 363	4 917	81	−4
6	0.715 026	11 959	208	−1	0.653 136	11 150	187	+2	0.283 280	4 836	81	0
7	0.703 067	12 163	204	+3	0.664 286	10 959	191	+2	0.288 116	4 753	83	−1
8	0.690 904	12 363	200	+5	0.675 245	10 765	194	+1	0.292 869	4 668	85	−2
9	+0.678 541	−12 560	−197	+2	+0.686 010	+10 566	−199	−4	+0.297 537	+4 582	− 86	+1
10	0.665 981	12 753	193	+2	0.696 576	10 365	201	0	0.302 119	4 495	87	+5
11	0.653 228	12 941	188	+5	0.706 941	10 161	204	+4	0.306 614	4 407	88	+5
12	0.640 287	13 125	184	+2	0.717 102	9 954	207	+5	0.311 021	4 316	91	−1
13	0.627 162	13 306	181	−4	0.727 056	9 744	210	+2	0.315 337	4 226	90	+3
14	0.613 856	13 481	175	+1	0.736 800	9 531	213	−2	0.319 563	4 133	93	−4
15	+0.600 375	−13 652	−171	0	+0.746 331	+ 9 315	−216	−3	+0.323 696	+4 040	− 93	−3
16	0.586 723	13 819	167	−3	0.755 646	9 099	216	+4	0.327 736	3 945	95	−3
17	0.572 904	13 982	163	−3	0.764 745	8 878	221	−4	0.331 681	3 851	94	+4
18	0.558 922	14 140	158	+2	0.773 623	8 657	221	+1	0.335 532	3 754	97	−1
19	0.544 782	14 294	154	+4	0.782 280	8 433	224	−1	0.339 286	3 658	96	+4
20	0.530 488	14 443	149	+4	0.790 713	8 207	226	−1	0.342 944	3 560	98	+1
21	+0.516 045	−14 590	−147	−4	+0.798 920	+ 7 980	−227	+1	+0.346 504	+3 461	− 99	0
22	0.501 455	14 731	141	0	0.806 900	7 750	230	−4	0.349 965	3 362	99	+2
23	0.486 724	14 869	138	−2	0.814 650	7 518	232	−4	0.353 327	3 262	100	+1
24	0.471 855	15 002	133	0	0.822 168	7 285	233	+2	0.356 589	3 160	102	−3
25	0.456 853	15 132	130	−2	0.829 453	7 051	234	+5	0.359 749	3 059	101	+2
26	0.441 721	15 256	124	+3	0.836 504	6 813	238	−2	0.362 808	2 956	103	−2
27	+0.426 465	−15 378	−122	−5	+0.843 317	+ 6 575	−238	+4	+0.365 764	+2 852	−104	−3
28	0.411 087	15 495	117	−4	0.849 892	6 335	240	+5	0.368 616	2 748	104	+2
29	0.395 592	15 608	113	−2	0.856 227	6 094	241	+5	0.371 364	2 644	104	+4
30	0.379 984	15 716	108	+2	0.862 321	5 849	245	−4	0.374 008	2 537	107	−4
31	0.364 268	15 821	105	−1	0.868 170	5 604	245	+1	0.376 545	2 431	106	+1
Juni 1	0.348 447	15 921	100	+1	0.873 774	5 358	246	+3	0.378 976	2 324	107	+1
2	+0.332 526	−16 017	− 96	+1	+0.879 132	+ 5 108	−250	−4	+0.381 300	+2 216	−108	−2
3	0.316 509	16 108	91	+3	0.884 240	4 858	250	+2	0.383 516	2 107	109	−5
4	0.300 401	16 195	87	0	0.889 098	4 607	251	+5	0.385 623	1 997	110	−5
5	0.284 206	16 277	82	−1	0.893 705	4 353	254	−2	0.387 620	1 887	110	0
6	0.267 929	16 355	78	−4	0.898 058	4 097	256	−5	0.389 507	1 777	110	+4
7	0.251 574	16 427	72	0	0.902 155	3 841	256	+1	0.391 284	1 665	112	−1
8	+0.235 147	−16 494	− 67	0	+0.905 996	+ 3 583	−258	+2	+0.392 949	+1 554	−111	+2
9	0.218 653	16 557	63	−4	0.909 579	3 325	258	+4	0.394 503	1 441	113	−3
10	0.202 096	16 614	57	0	0.912 904	3 064	261	−3	0.395 944	1 328	113	−2
11	0.185 482	16 665	51	+4	0.915 968	2 805	259	+3	0.397 272	1 216	112	+3
12	0.168 817	−16 712	47	0	0.918 773	+ 2 543	262	−4	0.398 488	+1 103	113	0
13	+0.152 105		− 42	−2	+0.921 316		−261	−1	+0.399 591		−114	−4

*) ΔX, ΔY, ΔZ sind in Einheiten der 7. Dezimale gegeben.

0ʰ Welt-Zeit	Mittleres Äquinoktium 1925.0											
	X			ΔX*)	Y			ΔY*)	Z			ΔZ*)
1937												
Juni 13	+0.152 105	−16 754	− 42	−2	+0.921 316	+2 282	−261	−1	+0.399 591	+ 989	−114	−4
14	0.135 351	16 791	37	0	0.923 598	2 020	262	−2	0.400 580	876	113	+1
15	0.118 560	16 822	31	+5	0.925 618	1 759	261	+1	0.401 456	763	113	+2
16	0.101 738	16 849	27	+1	0.927 377	1 497	262	−3	0.402 219	649	114	0
17	0.084 889	16 872	23	−5	0.928 874	1 235	262	−5	0.402 868	536	113	+4
18	0.068 017	16 890	18	−5	0.930 109	973	262	−5	0.403 404	423	113	+4
19	+0.051 127	−16 903	− 13	−4	+0.931 082	+ 711	−262	−4	+0.403 827	+ 309	−114	0
20	0.034 224	16 912	9	−4	0.931 793	449	262	−1	0.404 136	196	113	0
21	0.017 312	16 916	− 4	0	0.932 242	+ 188	261	+3	0.404 332	+ 82	114	−4
22	+0.000 396	16 915	+ 1	+2	0.932 430	− 74	262	0	0.404 414	− 31	113	−2
23	−0.016 519	16 911	4	−1	0.932 356	335	261	+2	0.404 383	145	114	−5
24	0.033 430	16 901	10	+5	0.932 021	597	262	−1	0.404 238	258	113	−2
25	−0.050 331	−16 887	+ 14	+5	+0.931 424	− 857	−260	+4	+0.403 980	− 372	−114	−3
26	0.067 218	16 869	18	+3	0.930 567	1 118	261	−1	0.403 608	484	112	+4
27	0.084 087	16 846	23	+3	0.929 449	1 379	261	−4	0.403 124	598	114	−1
28	0.100 933	16 819	27	0	0.928 070	1 640	261	−3	0.402 526	711	113	+2
29	0.117 752	16 788	31	−2	0.926 430	1 899	259	+4	0.401 815	823	112	+4
30	0.134 540	16 751	37	+3	0.924 531	2 160	261	−2	0.400 992	937	114	−4
Juli 1	−0.151 291	−16 710	+ 41	0	+0.922 371	−2 419	−259	+3	+0.400 055	−1 050	−113	−2
2	0.168 001	16 665	45	−3	0.919 952	2 678	259	+1	0.399 005	1 162	112	+3
3	0.184 666	16 614	51	0	0.917 274	2 938	260	−4	0.397 843	1 275	113	+1
4	0.201 280	16 559	55	−2	0.914 336	3 196	258	+1	0.396 568	1 386	111	+4
5	0.217 839	16 499	60	−2	0.911 140	3 454	258	0	0.395 182	1 499	113	−4
6	0.234 338	16 433	66	+2	0.907 686	3 711	257	+1	0.393 683	1 611	112	−2
7	−0.250 771	−16 363	+ 70	+1	+0.903 975	−3 967	−256	+1	+0.392 072	−1 721	−110	+5
8	0.267 134	16 287	76	+5	0.900 008	4 223	256	−1	0.390 351	1 832	111	+2
9	0.283 421	16 206	81	+4	0.895 785	4 476	253	+5	0.388 519	1 942	110	+3
10	0.299 627	16 121	85	0	0.891 309	4 728	252	+4	0.386 577	2 051	109	+5
11	0.315 748	16 030	91	+2	0.886 581	4 979	251	+1	0.384 526	2 159	108	+4
12	0.331 778	15 936	94	−3	0.881 602	5 228	249	+2	0.382 367	2 268	109	−2
13	−0.347 714	−15 836	+100	+2	+0.876 374	−5 475	−247	+4	+0.380 099	−2 374	−106	+4
14	0.363 550	15 732	104	+3	0.870 899	5 720	245	+5	0.377 725	2 481	107	0
15	0.379 282	15 623	109	+4	0.865 179	5 963	243	+3	0.375 244	2 586	105	+4
16	0.394 905	15 511	112	−2	0.859 216	6 205	242	−2	0.372 658	2 690	104	+3
17	0.410 416	15 395	116	−3	0.853 011	6 445	240	−1	0.369 968	2 795	105	−4
18	0.425 811	15 273	122	+4	0.846 566	6 682	237	+4	0.367 173	2 897	102	+2
19	−0.441 084	−15 148	+125	+1	+0.839 884	−6 918	−236	+2	+0.364 276	−3 000	−103	−2
20	0.456 232	15 019	129	−2	0.832 966	7 151	233	+5	0.361 276	3 101	101	+1
21	0.471 251	14 887	132	−5	0.825 815	7 383	232	+1	0.358 175	3 201	100	+1
22	0.486 138	14 749	138	+2	0.818 432	7 612	229	+1	0.354 974	3 301	100	−4
23	0.500 887	−14 609	140	−3	0.810 820	−7 840	228	−4	0.351 673	−3 400	99	−5
24	−0.515 496		+145	0	+0.802 980		−226	−4	+0.348 273		− 98	−3

*) ΔX, ΔY, ΔZ sind in Einheiten der 7. Dezimale gegeben.

0h Welt-Zeit		X	1. Diff.	2. Diff.	ΔX*)	Y	1. Diff.	2. Diff.	ΔY*)	Z	1. Diff.	2. Diff.	ΔZ*)
		Mittleres Äquinoktium 1925.0											
1937													
Juli	24	−0.515 496	−14 464	+145	0	+0.802 980	− 8 066	−226	−4	+0.348 273	−3 498	−98	−3
	25	0.529 960	14 316	148	−1	0.794 914	8 289	223	+1	0.344 775	3 595	97	−1
	26	0.544 276	14 163	153	+2	0.786 625	8 510	221	+1	0.341 180	3 691	96	0
	27	0.558 439	14 007	156	−2	0.778 115	8 730	220	−3	0.337 489	3 786	95	−1
	28	0.572 446	13 847	160	−4	0.769 385	8 947	217	−1	0.333 703	3 881	95	−5
	29	0.586 293	13 683	164	−4	0.760 438	9 163	216	−3	0.329 822	3 975	94	−3
	30	−0.599 976	−13 515	+168	−4	+0.751 275	− 9 376	−213	+2	+0.325 847	−4 067	−92	+3
	31	0.613 491	13 343	172	−2	0.741 899	9 586	210	+5	0.321 780	4 158	91	+3
Aug.	1	0.626 834	13 166	177	+3	0.732 313	9 795	209	0	0.317 622	4 249	91	−2
	2	0.640 000	12 985	181	+2	0.722 518	10 001	206	−1	0.313 373	4 339	90	−2
	3	0.652 985	12 801	184	−4	0.712 517	10 205	204	−3	0.309 034	4 426	87	+4
	4	0.665 786	12 612	189	−3	0.702 312	10 405	200	0	0.304 608	4 514	88	−3
	5	−0.678 398	−12 419	+193	−4	+0.691 907	−10 603	−198	−3	+0.300 094	−4 599	−85	+1
	6	0.690 817	12 223	196	−5	0.681 304	10 798	195	−3	0.295 495	4 684	85	−1
	7	0.703 040	12 021	202	+4	0.670 506	10 989	191	+1	0.290 811	4 766	82	+4
	8	0.715 061	11 817	204	+1	0.659 517	11 177	188	+1	0.286 045	4 848	82	0
	9	0.726 878	11 608	209	+3	0.648 340	11 361	184	+2	0.281 197	4 927	79	+3
	10	0.738 486	11 398	210	−4	0.636 979	11 543	182	−2	0.276 270	5 006	79	−2
	11	−0.749 884	−11 182	+216	+4	+0.625 436	−11 720	−177	+4	+0.271 264	−5 083	−77	−1
	12	0.761 066	10 965	217	−1	0.613 716	11 894	174	+5	0.266 181	5 158	75	+1
	13	0.772 031	10 744	221	+3	0.601 822	12 064	170	+5	0.261 023	5 232	74	−1
	14	0.782 775	10 520	224	+5	0.589 758	12 231	167	+1	0.255 791	5 304	72	−1
	15	0.793 295	10 293	227	+5	0.577 527	12 395	164	−1	0.250 487	5 375	71	−4
	16	0.803 588	10 064	229	+1	0.565 132	12 554	159	+3	0.245 112	5 445	70	−5
	17	−0.813 652	− 9 831	+233	+4	+0.552 578	−12 711	−157	−2	+0.239 667	−5 512	−67	+1
	18	0.823 483	9 597	234	−1	0.539 867	12 863	152	+2	0.234 155	5 579	67	−1
	19	0.833 080	9 359	238	+1	0.527 004	13 013	150	−1	0.228 576	5 643	64	+5
	20	0.842 439	9 120	239	−3	0.513 991	13 158	145	+5	0.222 933	5 706	63	+3
	21	0.851 559	8 877	243	+3	0.500 833	13 300	142	+5	0.217 227	5 769	63	−2
	22	0.860 436	8 632	245	+2	0.487 533	13 438	138	+4	0.211 458	5 828	59	+4
	23	−0.869 068	− 8 385	+247	−2	+0.474 095	−13 574	−136	−3	+0.205 630	−5 888	−60	−2
	24	0.877 453	8 136	249	−4	0.460 521	13 706	132	−2	0.199 742	5 944	56	+4
	25	0.885 589	7 883	253	+1	0.446 815	13 834	128	+2	0.193 798	6 001	57	−3
	26	0.893 472	7 629	254	−3	0.432 981	13 958	124	+3	0.187 797	6 054	53	+3
	27	0.901 101	7 372	257	−2	0.419 023	14 080	122	−3	0.181 743	6 108	54	−3
	28	0.908 473	7 112	260	+2	0.404 943	14 197	117	−1	0.175 635	6 158	50	+4
	29	−0.915 585	− 6 849	+263	+5	+0.390 746	−14 311	−114	−5	+0.169 477	−6 208	−50	0
	30	0.922 434	6 584	265	+2	0.376 435	14 421	110	−5	0.163 269	6 255	47	+3
	31	0.929 018	6 317	267	−3	0.362 014	14 527	106	−4	0.157 014	6 301	46	0
Sept.	1	0.935 335	6 047	270	−3	0.347 487	14 628	101	0	0.150 713	6 345	44	−1
	2	0.941 382	− 5 775	272	−4	0.332 859	−14 726	98	−3	0.144 368	−6 387	42	−2
	3	−0.947 157		+274	−4	+0.318 133		− 92	0	+0.137 981		−41	−4

*) ΔX, ΔY, ΔZ sind in Einheiten der 7. Dezimale gegeben.

0h Welt-Zeit	Mittleres Äquinoktium 1925.0											
	X			ΔX*)	Y			ΔY*)	Z			ΔZ*)
1937												
Sept. 3	−0.947 157	−5 501	+274	−4	+0.318 133	−14 818	−92	0	+0.137 981	−6 428	−41	−4
4	0.952 658	5 224	277	0	0.303 315	14 907	89	−5	0.131 553	6 465	37	+3
5	0.957 882	4 946	278	−3	0.288 408	14 991	84	−5	0.125 088	6 502	37	−1
6	0.962 828	4 667	279	−4	0.273 417	15 070	79	−2	0.118 586	6 536	34	+2
7	0.967 495	4 384	283	+3	0.258 347	15 145	75	−1	0.112 050	6 568	32	+2
8	0.971 879	4 102	282	−5	0.243 202	15 214	69	+4	0.105 482	6 598	30	+1
9	−0.975 981	−3 818	+284	−5	+0.227 988	−15 280	−66	−1	+0.098 884	−6 627	−29	−3
10	0.979 799	3 533	285	−5	0.212 708	15 340	60	+3	0.092 257	6 653	26	+2
11	0.983 332	3 247	286	−4	0.197 368	15 397	57	0	0.085 604	6 677	24	+4
12	0.986 579	2 960	287	−2	0.181 971	15 448	51	+5	0.078 927	6 699	22	+3
13	0.989 539	2 672	288	−1	0.166 523	15 495	47	+5	0.072 228	6 720	21	−2
14	0.992 211	2 384	288	−2	0.151 028	15 537	42	+4	0.065 508	6 738	18	−1
15	−0.994 595	−2 094	+290	+1	+0.135 491	−15 576	−39	−3	+0.058 770	−6 755	−17	−5
16	0.996 689	1 805	289	−4	0.119 915	15 609	33	0	0.052 015	6 770	15	−5
17	0.998 494	1 515	290	−2	0.104 306	15 639	30	−2	0.045 245	6 783	13	−2
18	1.000 009	1 224	291	0	0.088 667	15 663	24	+3	0.038 462	6 793	10	+2
19	1.001 233	934	290	−2	0.073 004	15 684	21	−1	0.031 669	6 803	10	−2
20	1.002 167	642	292	+4	0.057 320	15 701	17	−2	0.024 866	6 810	7	+3
21	−1.002 809	− 350	+292	+2	+0.041 619	−15 712	−11	+3	+0.018 056	−6 815	− 5	+4
22	1.003 159	− 59	291	−4	0.025 907	15 721	9	−4	0.011 241	6 819	4	+1
23	1.003 218	+ 234	293	0	+0.010 186	15 725	− 4	−2	+0.004 422	6 821	− 2	+2
24	1.002 984	527	293	−1	−0.005 539	15 724	+ 1	+2	−0.002 399	6 820	+ 1	+4
25	1.002 457	820	293	−3	0.021 263	15 719	5	+1	0.009 219	6 819	1	−3
26	1.001 637	1 114	294	−1	0.036 982	15 710	9	−3	0.016 038	6 814	5	+2
27	−1.000 523	+1 408	+294	−1	−0.052 692	−15 697	+13	−4	−0.022 852	−6 809	+ 5	−3
28	0.999 115	1 703	295	0	0.068 389	15 677	20	+4	0.029 661	6 800	9	+3
29	0.997 412	1 997	294	−5	0.084 066	15 655	22	−2	0.036 461	6 790	10	+1
30	0.995 415	2 291	294	−5	0.099 721	15 626	29	+5	0.043 251	6 778	12	+1
Okt. 1	0.993 124	2 586	295	0	0.115 347	15 593	33	+4	0.050 029	6 763	15	+5
2	0.990 538	2 879	293	−3	0.130 940	15 555	38	+3	0.056 792	6 746	17	+4
3	−0.987 659	+3 174	+295	+4	−0.146 495	−15 512	+43	+3	−0.063 538	−6 728	+18	−1
4	0.984 485	3 465	291	−4	0.162 007	15 464	48	+2	0.070 266	6 707	21	+2
5	0.981 020	3 758	293	+5	0.177 471	15 411	53	+1	0.076 973	6 683	24	+5
6	0.977 262	4 049	291	+4	0.192 882	15 353	58	0	0.083 656	6 659	24	−1
7	0.973 213	4 338	289	+1	0.208 235	15 291	62	−3	0.090 315	6 631	28	+3
8	0.968 875	4 627	289	+4	0.223 526	15 223	68	0	0.096 946	6 602	29	0
9	−0.964 248	+4 914	+287	+1	−0.238 749	−15 151	+72	−3	−0.103 548	−6 571	+31	0
10	0.959 334	5 199	285	−2	0.253 900	15 075	76	−4	0.110 119	6 537	34	+2
11	0.954 135	5 483	284	+1	0.268 975	14 993	82	+3	0.116 656	6 502	35	−2
12	0.948 652	5 765	282	+2	0.283 968	14 907	86	+4	0.123 158	6 465	37	−4
13	0.942 887	+6 046	281	+5	0.298 875	−14 816	91	+4	0.129 623	−6 426	39	−3
14	−0.936 841		+279	+4	−0.313 691		+94	−2	−0.136 049		+41	−2

*) ΔX, ΔY, ΔZ sind in Einheiten der 7. Dezimale gegeben.

0h Welt-Zeit	Mittleres Äquinoktium 1925.0											
	X			ΔX*)	Y			ΔY*)	Z			ΔZ*)
1937												
Okt. 14	−0.936 841	+ 6 325	+279	+4	−0.313 691	−14 722	+ 94	−2	−0.136 049	−6 385	+ 41	−2
15	0.930 516	6 601	276	−1	0.328 413	14 623	99	+1	0.142 434	6 342	43	−1
16	0.923 915	6 876	275	0	0.343 036	14 519	104	+4	0.148 776	6 297	45	−1
17	0.917 039	7 148	272	−2	0.357 555	14 412	107	0	0.155 073	6 251	46	−5
18	0.909 891	7 419	271	+2	0.371 967	14 300	112	+2	0.161 324	6 203	48	−5
19	0.902 472	7 688	269	+2	0.386 267	14 185	115	−2	0.167 527	6 153	50	−3
20	−0.894 784	+ 7 954	+266	0	−0.400 452	−14 066	+119	−3	−0.173 680	−6 101	+ 52	−2
21	0.886 830	8 220	266	+4	0.414 518	13 942	124	0	0.179 781	6 048	53	−4
22	0.878 610	8 482	262	−4	0.428 460	13 815	127	−3	0.185 829	5 993	55	−3
23	0.870 128	8 743	261	−4	0.442 275	13 684	131	−4	0.191 822	5 935	58	+1
24	0.861 385	9 002	259	−4	0.455 959	13 548	136	−1	0.197 757	5 877	58	−5
25	0.852 383	9 259	257	−3	0.469 507	13 409	139	−3	0.203 634	5 816	61	−3
26	−0.843 124	+ 9 514	+255	−3	−0.482 916	−13 264	+145	+3	−0.209 450	−5 754	+ 62	−4
27	0.833 610	9 766	252	−5	0.496 180	13 116	148	−2	0.215 204	5 689	65	+1
28	0.823 844	10 016	250	−2	0.509 296	12 964	152	−3	0.220 893	5 623	66	+1
29	0.813 828	10 264	248	+1	0.522 260	12 806	158	+3	0.226 516	5 554	69	+5
30	0.803 564	10 508	244	−4	0.535 066	12 645	161	0	0.232 070	5 484	70	+1
31	0.793 056	10 749	241	−4	0.547 711	12 479	166	0	0.237 554	5 412	72	−2
Nov. 1	−0.782 307	+10 988	+239	+2	−0.560 190	−12 310	+169	−3	−0.242 966	−5 339	+ 73	−4
2	0.771 319	11 223	235	+1	0.572 500	12 135	175	+3	0.248 305	5 263	76	+3
3	0.760 096	11 455	232	+1	0.584 635	11 957	178	0	0.253 568	5 185	78	+5
4	0.748 641	11 683	228	−2	0.596 592	11 775	182	−2	0.258 753	5 106	79	0
5	0.736 958	11 907	224	−5	0.608 367	11 590	185	−4	0.263 859	5 026	80	−5
6	0.725 051	12 128	221	−2	0.619 957	11 399	191	+3	0.268 885	4 944	82	−3
7	−0.712 923	+12 345	+217	−1	−0.631 356	−11 206	+193	−2	−0.273 829	−4 860	+ 84	+2
8	0.700 578	12 558	213	0	0.642 562	11 009	197	−2	0.278 689	4 774	86	+4
9	0.688 020	12 767	209	0	0.653 571	10 809	200	−3	0.283 463	4 688	86	−1
10	0.675 253	12 972	205	+1	0.664 380	10 605	204	−1	0.288 151	4 599	89	+3
11	0.662 281	13 173	201	+3	0.674 985	10 398	207	−1	0.292 750	4 510	89	0
12	0.649 108	13 370	197	+5	0.685 383	10 188	210	−1	0.297 260	4 419	91	+3
13	−0.635 738	+13 563	+193	+5	−0.695 571	− 9 975	+213	0	−0.301 679	−4 326	+ 93	+5
14	0.622 175	13 751	188	+1	0.705 546	9 759	216	+2	0.306 005	4 233	93	0
15	0.608 424	13 936	185	+2	0.715 305	9 540	219	+4	0.310 238	4 138	95	0
16	0.594 488	14 116	180	−2	0.724 845	9 319	221	+2	0.314 376	4 043	95	−3
17	0.580 372	14 292	176	−4	0.734 164	9 095	224	+3	0.318 419	3 945	98	+3
18	0.566 080	14 464	172	−3	0.743 259	8 868	227	+3	0.322 364	3 847	98	0
19	−0.551 616	+14 633	+169	+1	−0.752 127	− 8 639	+229	−1	−0.326 211	−3 748	+ 99	−2
20	0.536 983	14 797	164	−1	0.760 766	8 408	231	−4	0.329 959	3 647	101	0
21	0.522 186	14 958	161	+2	0.769 174	8 173	235	+1	0.333 606	3 546	101	−3
22	0.507 228	15 114	156	0	0.777 347	7 936	237	+1	0.337 152	3 442	104	+2
23	0.492 114	+15 267	153	+2	0.785 283	− 7 695	241	+3	0.340 594	−3 338	104	−2
24	−0.476 847		+147	−4	−0.792 978		+242	−5	−0.343 932		+105	−4

*) ΔX, ΔY, ΔZ sind in Einheiten der 7. Dezimale gegeben.

0h Welt-Zeit	Mittleres Äquinoktium 1925.0											
	X			ΔX*)	Y			ΔY*)	Z			ΔZ*)
1937												
Nov. 24	−0.476 847	+15 414	+147	−4	−0.792 978	−7 453	+242	−5	−0.343 932	−3 233	+105	−4
25	0.461 433	15 558	144	+1	0.800 431	7 208	245	−4	0.347 165	3 126	107	−2
26	0.445 875	15 697	139	+1	0.807 639	6 959	249	+1	0.350 291	3 019	107	−3
27	0.430 178	15 831	134	0	0.814 598	6 708	251	−1	0.353 310	2 909	110	+4
28	0.414 347	15 960	129	0	0.821 306	6 455	253	−4	0.356 219	2 799	110	+1
29	0.398 387	16 085	125	+2	0.827 761	6 199	256	−3	0.359 018	2 688	111	−1
30	−0.382 302	+16 204	+119	−2	−0.833 960	−5 941	+258	−4	−0.361 706	−2 576	+112	−3
Dez. 1	0.366 098	16 317	113	−5	0.839 901	5 681	260	−5	0.364 282	2 464	112	−5
2	0.349 781	16 427	110	+2	0.845 582	5 419	262	−4	0.366 746	2 349	115	+3
3	0.333 354	16 530	103	−3	0.851 001	5 154	265	+1	0.369 095	2 235	114	−2
4	0.316 824	16 628	98	−3	0.856 155	4 888	266	−1	0.371 330	2 120	115	−1
5	0.300 196	16 721	93	−1	0.861 043	4 621	267	−3	0.373 450	2 003	117	+3
6	−0.283 475	+16 808	+ 87	−2	−0.865 664	−4 351	+270	+1	−0.375 453	−1 887	+116	−2
7	0.266 667	16 890	82	0	0.870 015	4 081	270	−3	0.377 340	1 770	117	−1
8	0.249 777	16 966	76	0	0.874 096	3 809	272	−1	0.379 110	1 652	118	+2
9	0.232 811	17 038	72	+4	0.877 905	3 536	273	−2	0.380 762	1 533	119	+3
10	0.215 773	17 103	65	−3	0.881 441	3 263	273	−4	0.382 295	1 415	118	−4
11	0.198 670	17 162	59	−5	0.884 704	2 987	276	+3	0.383 710	1 297	118	−5
12	−0.181 508	+17 218	+ 56	+3	−0.887 691	−2 713	+274	−4	−0.385 007	−1 177	+120	+4
13	0.164 290	17 266	48	−4	0.890 404	2 436	277	+2	0.386 184	1 057	120	+5
14	0.147 024	17 311	45	+1	0.892 840	2 160	276	−3	0.387 241	937	120	+2
15	0.129 713	17 349	38	−2	0.895 000	1 884	276	−4	0.388 178	818	119	−4
16	0.112 364	17 384	35	+4	0.896 884	1 606	278	+1	0.388 996	698	120	−1
17	0.094 980	17 413	29	0	0.898 490	1 329	277	−3	0.389 694	577	121	+3
18	−0.077 567	+17 436	+ 23	−5	−0.899 819	−1 051	+278	−3	−0.390 271	− 456	+121	+2
19	0.060 131	17 456	20	0	0.900 870	773	278	−4	0.390 727	336	120	−3
20	0.042 675	17 469	13	−3	0.901 643	494	279	−3	0.391 063	215	121	−2
21	0.025 206	17 479	10	+5	0.902 137	− 215	279	−4	0.391 278	− 94	121	0
22	−0.007 727	17 483	+ 4	+4	0.902 352	+ 64	279	−4	0.391 372	+ 28	122	+5
23	+0.009 756	17 481	− 2	+1	0.902 288	345	281	+2	0.391 344	150	122	+4
24	+0.027 237	+17 475	− 6	+4	−0.901 943	+ 625	+280	−1	−0.391 194	+ 271	+121	0
25	0.044 712	17 462	13	−1	0.901 318	906	281	0	0.390 923	393	122	+4
26	0.062 174	17 444	18	0	0.900 412	1 186	280	−4	0.390 530	515	122	+5
27	0.079 618	17 421	23	+2	0.899 226	1 466	280	−3	0.390 015	637	122	+4
28	0.097 039	17 392	29	0	0.897 760	1 747	281	+3	0.389 378	758	121	+1
29	0.114 431	17 357	35	−4	0.896 013	2 027	280	+3	0.388 620	880	122	+3
30	+0.131 788	+17 316	− 41	−5	−0.893 986	+2 307	+280	+3	−0.387 740	+1 001	+121	−1
31	0.149 104	+17 270	46	+1	0.891 679	+2 585	278	−3	0.386 739	+1 122	121	−2
32	+0.166 374		− 52	+3	−0.889 094		+278	−1	−0.385 617		+120	−3

*) ΔX, ΔY, ΔZ sind in Einheiten der 7. Dezimale gegeben.

Mittleres Äquinoktium 1925.0

MERKUR 1937

0h Welt-Zeit	log r	Helioz. Länge	Red. a. d. Bahn	Helioz. Breite	0h Welt-Zeit	log r	Helioz. Länge	Red. a. d. Bahn	Helioz. Breite
1937		°	°	°	1937		°	°	°
Jan. 0	9.5185	23.35	−0.16	−2.87	Juli 4	9.4879	77.86	+0.19	+3.56
5	9.4942	52.47	+0.04	+0.62	9	9.4999	108.98	+0.18	+6.16
10	9.4885	83.80	+0.21	+4.17	14	9.5280	137.44	0.00	+7.00
15	9.5042	114.60	+0.15	+6.46	19	9.5622	162.03	−0.16	+6.37
20	9.5342	142.37	−0.04	+6.98	24	9.5951	182.96	−0.21	+4.92
25	9.5686	166.22	−0.18	+6.14	29	9.6229	201.05	−0.17	+3.12
30	9.6008	186.55	−0.21	+4.60	Aug. 3	9.6444	217.13	−0.08	+1.26
Febr. 4	9.6275	204.20	−0.16	+2.77	8	9.6591	231.91	+0.03	−0.55
9	9.6477	219.99	−0.06	+0.91	13	9.6672	245.93	+0.13	−2.23
14	9.6612	234.58	+0.05	−0.88	18	9.6688	259.67	+0.19	−3.75
19	9.6680	248.52	+0.14	−2.53	23	9.6639	273.56	+0.21	−5.06
24	9.6684	262.25	+0.20	−4.01	28	9.6524	288.04	+0.18	−6.11
März 1	9.6622	276.22	+0.21	−5.28	Sept. 2	9.6342	303.61	+0.10	−6.80
6	9.6495	290.87	+0.17	−6.27	7	9.6093	320.83	−0.03	−6.99
11	9.6300	306.69	+0.08	−6.88	12	9.5786	340.40	−0.15	−6.45
16	9.6040	324.30	−0.05	−6.95	17	9.5443	3.08	−0.21	−4.91
21	9.5723	344.40	−0.17	−6.25	22	9.5121	29.43	−0.13	−2.17
26	9.5379	7.74	−0.21	−4.48	27	9.4911	59.20	+0.09	+1.44
31	9.5070	34.79	−0.09	−1.54	Okt. 2	9.4902	90.67	+0.21	+4.81
April 5	9.4892	65.06	+0.12	+2.13	7	9.5099	120.97	+0.12	+6.72
10	9.4925	96.54	+0.21	+5.30	12	9.5416	147.91	−0.08	+6.89
15	9.5153	126.33	+0.08	+6.87	17	9.5760	170.93	−0.20	+5.85
20	9.5481	152.52	−0.11	+6.76	22	9.6071	190.60	−0.21	+4.21
25	9.5822	174.85	−0.21	+5.57	27	9.6324	207.78	−0.14	+2.37
30	9.6124	193.99	−0.20	+3.87	Nov. 1	9.6512	223.26	−0.03	+0.51
Mai 5	9.6365	210.80	−0.12	+2.01	6	9.6632	237.66	+0.08	−1.25
10	9.6540	226.03	−0.01	+0.17	11	9.6687	251.52	+0.16	−2.87
15	9.6647	240.29	+0.09	−1.57	16	9.6676	265.27	+0.21	−4.31
20	9.6690	254.09	+0.17	−3.16	21	9.6600	279.35	+0.21	−5.52
25	9.6667	267.88	+0.21	−4.56	26	9.6458	294.20	+0.16	−6.44
30	9.6578	282.06	+0.20	−5.72	Dez. 1	9.6249	310.36	+0.05	−6.95
Juni 4	9.6424	297.12	+0.14	−6.57	6	9.5975	328.45	−0.08	−6.87
9	9.6202	313.59	+0.03	−6.99	11	9.5649	349.19	−0.19	−5.96
14	9.5917	332.12	−0.10	−6.77	16	9.5305	13.32	−0.20	−3.94
19	9.5584	353.45	−0.20	−5.67	21	9.5016	41.17	−0.05	−0.77
24	9.5244	18.27	−0.18	−3.42	26	9.4881	71.93	+0.16	+2.92
29	9.4976	46.77	0.00	−0.08	31	9.4961	103.27	+0.20	+5.80
Juli 4	9.4879	77.86	+0.19	+3.56					

$\Omega = 47^\circ.442$ $\quad i = 7^\circ.003$ $\quad m = \frac{1}{6\,000\,000}$

Mittleres Äquinoktium 1925.0

0h Welt-Zeit	log r	Helioz. Länge	Red. a. d. Bahn	Helioz. Breite	log r	Helioz. Länge	Red. a. d. Bahn	Helioz. Breite
	VENUS 1937				MARS 1937			
1937		°	° in 0.001	°		°	° in 0.001	°
Jan. 0	9.85972	32.786	−50	−2.324	0.21959	172.202	−14	+1.547
10	9.85890	48.800	−41	−1.551	0.21844	176.620	14	1.464
20	9.85810	64.861	−19	−0.655	0.21704	181.064	15	1.372
30	9.85741	80.972	+ 9	+0.296	0.21539	185.539	15	1.271
Febr. 9	9.85686	97.133	+34	+1.226	0.21350	190.050	15	1.161
19	9.85651	113.337	+49	+2.061	0.21138	194.602	−14	+1.043
März 1	9.85637	129.575	+48	+2.733	0.20904	199.201	13	0.918
11	9.85648	145.830	+32	+3.186	0.20648	203.853	11	0.785
21	9.85681	162.078	+ 7	+3.386	0.20371	208.561	10	0.644
31	9.85734	178.295	−21	+3.316	0.20075	213.331	8	0.498
April 10	9.85802	194.461	−42	+2.984	0.19762	218.169	− 5	+0.346
20	9.85881	210.559	−50	+2.418	0.19432	223.079	− 3	0.189
30	9.85963	226.582	−43	+1.667	0.19088	228.066	0	+0.028
Mai 10	9.86043	242.531	−23	+0.790	0.18732	233.133	+ 2	−0.135
20	9.86114	258.418	+ 4	−0.145	0.18366	238.286	5	0.300
30	9.86172	274.259	+30	−1.066	0.17994	243.527	+ 7	−0.466
Juni 9	9.86211	290.073	+47	−1.905	0.17617	248.860	10	0.630
19	9.86229	305.880	+50	−2.598	0.17240	254.287	12	0.792
29	9.86224	321.697	+38	−3.094	0.16866	259.809	13	0.949
Juli 9	9.86197	337.537	+15	−3.357	0.16498	265.426	14	1.100
19	9.86150	353.408	−13	−3.365	0.16141	271.139	+15	−1.242
29	9.86086	9.317	−37	−3.116	0.15798	276.946	15	1.374
Aug. 8	9.86010	25.266	−49	−2.628	0.15475	282.842	14	1.494
18	9.85928	41.258	−47	−1.934	0.15174	288.825	13	1.600
28	9.85846	57.297	−30	−1.088	0.14901	294.888	11	1.689
Sept. 7	9.85770	73.386	− 4	−0.153	0.14660	301.024	+ 9	−1.759
17	9.85708	89.525	+23	+0.796	0.14454	307.224	6	1.810
27	9.85662	105.711	+43	+1.685	0.14286	313.478	+ 3	1.841
Okt. 7	9.85638	121.937	+50	+2.441	0.14159	319.774	0	1.849
17	9.85638	138.188	+41	+3.003	0.14076	326.101	− 4	1.835
27	9.85661	154.443	+20	+3.325	0.14037	332.446	− 7	−1.798
Nov. 6	9.85705	170.679	− 8	+3.382	0.14044	338.795	10	1.739
16	9.85767	186.873	−34	+3.171	0.14096	345.135	12	1.659
26	9.85842	203.005	−48	+2.710	0.14192	351.453	14	1.559
Dez. 6	9.85924	219.064	−48	+2.039	0.14331	357.736	15	1.441
16	9.86006	235.046	−34	+1.213	0.14511	3.972	−15	−1.307
26	9.86083	250.960	− 9	+0.297	0.14727	10.151	−15	−1.159

Venus: $\Omega = 76.°005$ $\quad i = 3.°394$ $\quad m = \frac{1}{408\,000}$

Mars: $\Omega = 48.°979$ $\quad i = 1.°850$ $\quad m = \frac{1}{3\,093\,500}$

Mittleres Äquinoktium 1925.0

0ʰ Welt-Zeit		Julian. Zeit	log R	Länge	log r	Heliozentr. Länge	Red. auf d. Bahn	Heliozentr. Breite
		ERDE 1937			JUPITER 1937			
1937		d		°		°	° in 0.0001	°
Jan.	0	2428 533.5	9.99266	98.984	0.718358	275.8741	−10	+0.0875
	10	543.5	9.99271	109.178	0.718056	276.6963	8	0.0688
	20	553.5	9.99299	119.363	0.717753	277.5196	6	0.0500
	30	563.5	9.99349	129.530	0.717450	278.3441	3	0.0311
Febr.	9	573.5	9.99418	139.670	0.717145	279.1697	− 1	+0.0123
	19	2428 583.5	9.99505	149.773	0.716840	279.9964	+ 1	−0.0066
März	1	593.5	9.99606	159.832	0.716535	280.8244	3	0.0255
	11	603.5	9.99719	169.841	0.716229	281.6535	5	0.0444
	21	613.5	9.99839	179.797	0.715922	282.4838	7	0.0634
	31	623.5	9.99963	189.697	0.715616	283.3152	10	0.0824
April	10	2428 633.5	0.00088	199.540	0.715308	284.1478	+12	−0.1013
	20	643.5	0.00210	209.327	0.715001	284.9816	14	0.1203
	30	653.5	0.00325	219.061	0.714694	285.8167	16	0.1393
Mai	10	663.5	0.00429	228.745	0.714386	286.6529	18	0.1582
	20	673.5	0.00521	238.386	0.714078	287.4903	20	0.1772
	30	2428 683.5	0.00598	247.990	0.713770	288.3289	+22	−0.1962
Juni	9	693.5	0.00657	257.563	0.713463	289.1687	24	0.2151
	19	703.5	0.00697	267.115	0.713155	290.0096	26	0.2340
	29	713.5	0.00718	276.653	0.712848	290.8518	28	0.2530
Juli	9	723.5	0.00719	286.186	0.712541	291.6951	30	0.2718
	19	2428 733.5	0.00699	295.724	0.712234	292.5397	+32	−0.2906
	29	743.5	0.00659	305.275	0.711927	293.3854	34	0.3094
Aug.	8	753.5	0.00600	314.847	0.711621	294.2324	36	0.3282
	18	763.5	0.00525	324.449	0.711316	295.0805	38	0.3469
	28	773.5	0.00434	334.088	0.711011	295.9298	40	0.3656
Sept.	7	2428 783.5	0.00329	343.771	0.710707	296.7803	+42	−0.3842
	17	793.5	0.00215	353.503	0.710404	297.6320	44	0.4027
	27	803.5	0.00094	3.287	0.710102	298.4849	46	0.4212
Okt.	7	813.5	9.99970	13.127	0.709800	299.3390	47	0.4397
	17	823.5	9.99845	23.024	0.709500	300.1942	49	0.4580
	27	2428 833.5	9.99725	32.977	0.709200	301.0507	+51	−0.4763
Nov.	6	843.5	9.99612	42.984	0.708902	301.9083	52	0.4945
	16	853.5	9.99510	53.040	0.708605	302.7672	54	0.5126
	26	863.5	9.99423	63.140	0.708309	303.6272	55	0.5306
Dez.	6	873.5	9.99353	73.277	0.708014	304.4884	57	0.5485
	16	2428 883.5	9.99303	83.443	0.707721	305.3508	+58	−0.5663
	26	2428 893.5	9.99274	93.627	0.707429	306.2143	+60	−0.5841

Erde: $m = \frac{1}{329\,390}$ — Jupiter: $\Omega = 99^\circ.6906$, $i = 1^\circ.3073$, $m = \frac{1}{1\,047.35}$

Mittleres Äquinoktium 1925.0

SATURN 1937

0^h Welt-Zeit	Julian. Zeit	log r	Heliozentrische Länge	Red. auf die Bahn	Heliozentrische Breite
	d		°	in 0.0001°	°
1936 Dez. 1	2428 503.5	0.982479	351.5815	+241	−2.1247
1937 Jan. 10	543.5	0.981955	352.9036	234	2.1541
Febr. 19	583.5	0.981429	354.2290	228	2.1823
März 31	623.5	0.980900	355.5577	+221	−2.2094
Mai 10	663.5	0.980370	356.8898	214	2.2354
Juni 19	703.5	0.979839	358.2253	206	2.2603
Juli 29	743.5	0.979306	359.5642	+197	−2.2840
Sept. 7	783.5	0.978772	0.9065	188	2.3065
Okt. 17	823.5	0.978237	2.2523	179	2.3278
Nov. 26	2428 863.5	0.977702	3.6015	+169	−2.3479

$\Omega = 113.0016°$ $i = 2.4913°$ $m = \frac{1}{3501.6}$

URANUS 1937

0^h Welt-Zeit	Julian. Zeit	log r	Heliozentrische Länge	Red. auf die Bahn	Heliozentrische Breite
	d		°	in 0.001°	°
1936 Dez. 1	2428 503.5	1.29607	37.749	− 2	−0.453
1937 Jan. 10	543.5	1.29596	38.190	2	0.449
Febr. 19	583.5	1.29584	38.632	2	0.444
März 31	623.5	1.29572	39.074	− 2	−0.439
Mai 10	663.5	1.29560	39.516	2	0.434
Juni 19	703.5	1.29548	39.959	2	0.429
Juli 29	743.5	1.29536	40.401	− 2	−0.424
Sept. 7	783.5	1.29524	40.844	2	0.419
Okt. 17	823.5	1.29512	41.288	2	0.414
Nov. 26	2428 863.5	1.29500	41.732	− 2	−0.409

$\Omega = 73.616°$ $i = 0.773°$ $m = \frac{1}{22\,869}$

NEPTUN 1937

0^h Welt-Zeit	Julian. Zeit	log r	Heliozentrische Länge	Red. auf die Bahn	Heliozentrische Breite
	d		°	in 0.001°	°
1936 Dez. 1	2428 503.5	1.48005	166.840	+ 13	+1.042
1937 Jan. 10	543.5	1.48006	167.077	13	1.048
Febr. 19	583.5	1.48007	167.314	13	1.053
März 31	623.5	1.48008	167.551	+ 13	+1.059
Mai 10	663.5	1.48009	167.787	13	1.065
Juni 19	703.5	1.48010	168.024	13	1.071
Juli 29	743.5	1.48011	168.260	+ 13	+1.077
Sept. 7	783.5	1.48012	168.497	13	1.083
Okt. 17	823.5	1.48013	168.733	13	1.089
Nov. 26	2428 863.5	1.48014	168.970	+ 13	+1.094

$\Omega = 130.954°$ $i = 1.777°$ $m = \frac{1}{19\,314}$

PLUTO 1937

0^h Welt-Zeit	Julian. Zeit	log r	Heliozentrische Länge	Red. auf die Bahn	Heliozentrische Breite
	d		°	in 0.001°	°
1936 Okt. 22	2428 463.5	1.59854	117.141	+360	+2.412
1937 Jan. 10	543.5	1.59794	117.432	373	2.501
März 31	623.5	1.59735	117.724	386	2.590
Juni 19	703.5	1.59676	118.017	399	2.680
Sept. 7	783.5	1.59617	118.311	412	2.769
Nov. 26	2428 863.5	1.59558	118.606	+425	+2.859

$\Omega = 109.294°$ $i = 17.145°$ $m \approx \frac{1}{3\,300\,000}$

Mittlere und Scheinbare Sternörter 1937

Reduktionsgrößen

Mittlere Sternörter 1937.0

Nr.	Name	Größe	Spektrum	AR. 1937.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1937.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
		m		h m s	s		° ' "	"	
905	[2 Ceti]	4.62	A 0	0 0 30.809	+3.0732	+ 12	−17 41 12.07	+20.040	− 4
1	α Androm.	2.15	A 0 p	0 5 7.592	+3.1001	+ 107	+28 44 33.56	+19.878	− 161
2	β Cassiopeiae	2.42	F 5	0 5 48.192	+3.1966	+ 677	+58 48 8.30	+19.858	− 180
3	ε Phoenicis	3.94	K 0	0 6 13.040	+3.0453	+ 99	−46 5 42.88	+19.844	− 192
4	[22 Androm.]	5.08	F 0	0 7 2.289	+3.1159	+ 8	+45 43 17.94	+20.031	− 3
5	[κ² Sculptoris]	5.56	K 0	0 8 22.633	+3.0473	+ 4	−28 9 3.17	+20.036	+ 6
6	[ϑ Sculptoris]	5.19	F 5	0 8 31.895	+3.0479	+ 104	−35 29 8.91	+20.154	+ 124
7	γ Pegasi	2.87	B 2	0 9 59.325	+3.0885	+ 1	+14 49 59.82	+20.011	− 14
8	[Br 6]	6.23	B 9	0 12 37.553	+3.3886	+ 68	+76 36 2.96	+20.015	+ 1
9	ι Ceti	3.75	K 0	0 16 13.075	+3.0563	− 15	− 9 10 23.18	+19.961	− 32
10	ζ Tucanae	4.34	F 8	0 16 47.962	+3.1300	+2691	−65 14 42.56	+21.144	+1154
11	β Hydri	2.90	G 0	0 22 28.316	+3.1695	+6919	−77 36 32.56	+20.266	+ 318
12	α Phoenicis	2.44	K 0	0 23 10.365	+2.9655	+ 168	−42 38 53.84	+19.533	− 409
13	12 Ceti	6.04	K 5	0 26 49.419	+3.0620	+ 8	− 4 18 18.97	+19.898	− 8
14	[Ceti 49 G.]	5.23	A 3	0 27 13.752	+2.9995	− 25	−24 8 10.28	+19.912	+ 9
15	[λ¹ Phoenicis]	4.88	A 2	0 28 22.832	+2.8944	+ 122	−49 9 7.02	+19.902	+ 12
16	[κ Cassiopeiae]	4.24	B 0	0 29 24.162	+3.4037	+ 11	+62 35 3.70	+19.882	+ 3
17	ζ Cassiopeiae	3.72	B 3	0 33 26.974	+3.3384	+ 23	+53 33 1.58	+19.824	− 7
18	π Androm.	4.44	B 3	0 33 30.613	+3.2029	+ 17	+33 22 22.06	+19.830	0
19	[ε Androm.]	4.52	G 5	0 35 13.271	+3.1689	− 173	+28 58 11.75	+19.556	− 251
20	δ Androm.	3.49	K 2	0 35 57.204	+3.2066	+ 106	+30 30 59.66	+19.714	− 84
21	α Cassiopeiae	2.47	K 0	0 36 55.106	+3.3991	+ 60	+56 11 31.64	+19.755	− 29
22	β Ceti	2.24	K 0	0 40 25.668	+3.0113	+ 160	−18 19 55.73	+19.771	+ 39
23	[η Phoenicis]	4.53	A 0	0 40 31.819	+2.7001	+ 5	−57 48 31.40	+19.723	− 8
26	[λ² Sculptoris]	5.97	K 0	0 41 9.370	+2.8991	+ 178	−38 46 7.26	+19.836	+ 114
25	ο Cassiopeiae	4.70	B 2	0 41 12.281	+3.3400	+ 22	+47 56 23.40	+19.713	− 8
24	21 Cassiopeiae	5.59	A 2	0 41 26.977	+3.9425	− 57	+74 38 38.51	+19.694	− 23
27	ζ Androm.	4.30	K 0	0 43 59.666	+3.1786	− 75	+23 55 29.12	+19.597	− 79
28	[δ Piscium]	4.55	K 5	0 45 24.672	+3.1117	+ 52	+ 7 14 33.04	+19.606	− 46
31	[λ Hydri]	4.96	K 5	0 46 24.966	+2.0906	+ 396	−75 15 58.27	+19.607	− 27
29	[Br 82]	5.45	F 2 + A 2	0 46 53.142	+3.6332	+ 59	+63 54 17.96	+19.621	− 5
30	[19 Ceti]	5.24	F 5	0 46 58.253	+3.0043	− 159	−10 58 59.87	+19.402	− 223
34	[λ² Tucanae]	5.34	K 0	0 52 39.185	+2.2396	− 33	−69 52 3.36	+19.472	− 45
32	γ Cassiopeiae	2.25	B 0 p	0 52 53.353	+3.6142	+ 37	+60 22 33.54	+19.508	− 4
33	μ Androm.	3.94	A 2	0 53 14.929	+3.3277	+ 129	+38 9 28.96	+19.541	+ 36
35	α Sculptoris	4.39	B 5	0 55 34.226	+2.8896	− 5	−29 41 52.12	+19.452	− 5
36	ε Piscium	4.45	K 0	0 59 40.262	+3.1131	− 55	+ 7 33 5.05	+19.399	+ 30
37	[26 Ceti]	6.07	F 0	1 0 34.399	+3.0873	+ 81	+ 1 1 46.19	+19.309	− 39
38	β Phoenicis	3.35	K 0	1 3 16.394	+2.6760	− 56	−47 3 21.77	+19.269	− 15
39	[ι Tucanae]	5.32	K 0	1 4 49.199	+2.3784	+ 100	−62 6 41.11	+19.243	− 4

Nr.	Name	Größe	Spektrum	AR. 1937.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s0001	Dekl. 1937.0	Jährl. Veränderung	Jährl. Eigenbew. in 0."001
		m		h m s	s		° ′ ″	″	
40	[η Ceti]	3.60	K o	1 5 25.163	+3.0169	+ 137	−10 30 56.86	+19.101	−132
42	β Androm.	2.37	M a	1 6 11.864	+3.3575	+ 151	+35 17 13.35	+19.101	−113
41	[44 H. Cephei]	5.68	A o	1 6 45.188	+5.1450	+ 335	+79 20 22.14	+19.209	+ 9
43	[τ Piscium]	4.70	K o	1 8 11.080	+3.3025	+ 56	+29 45 19.87	+19.122	− 41
44	[Sculpt. 102 G.]	5.91	A 5	1 9 51.221	+2.7614	+ 39	−38 11 23.90	+19.093	− 27
45	υ Piscium	4.67	A 2	1 15 59.867	+3.2955	+ 15	+26 56 0.37	+18.941	− 11
47	ϑ Ceti	3.83	K o	1 20 52.415	+2.9984	− 55	− 8 30 28.58	+18.595	−214
46	[ψ Cassiop.]	4.96	K o	1 21 27.259	+4.2261	+ 135	+67 48 7.18	+18.824	+ 32
48	δ Cassiopeiae	2.80	A 5	1 21 40.575	+3.9174	+ 399	+59 54 30.94	+18.741	− 43
49	[γ Phoenicis]	3.40	K 5	1 25 37.779	+2.6041	− 38	−43 38 26.61	+18.443	−218
50	η Piscium	3.72	G 5	1 28 6.486	+3.2090	+ 15	+15 1 17.59	+18.574	− 7
53	[Hydri 14 G.]	6.06	G 5	1 33 12.830	+0.3902	− 70	−78 49 28.27	+18.281	−128
51	40 Cassiopeiae	5.50	K o	1 33 26.330	+4.7742	− 20	+72 43 11.84	+18.395	− 6
52	υ Persei	3.77	K o	1 34 6.809	+3.6783	+ 64	+48 18 35.02	+18.264	−113
54	α Eridani	0.60	B 5	1 35 22.259	+2.2355	+ 121	−57 33 23.25	+18.295	− 38
55	43 Cassiopeiae	5.54	A op	1 37 38.707	+4.4301	+ 88	+67 43 31.33	+18.250	− 2
56	[ν Piscium]	4.68	K o	1 38 9.017	+3.1216	− 16	+ 5 10 9.74	+18.235	+ 2
58	[Sculpt. 129 G.]	5.64	A o	1 39 16.289	+2.6423	− 57	−37 8 58.83	+18.170	− 23
57	φ Persei	4.19	B op	1 39 41.938	+3.7557	+ 26	+50 22 19.65	+18.162	− 15
59	τ Ceti	3.65	K o	1 41 8.461	+2.7870	−1194	−16 16 7.54	+18.976	+853
60	ο Piscium	4.50	K o	1 42 3.823	+3.1672	+ 47	+ 8 50 28.73	+18.139	+ 50
61	Lac. ε Sculpt.	5.39	F o	1 42 41.654	+2.8084	+ 99	−25 22 2.09	+17.990	− 75
62	ζ Ceti	3.92	K o	1 48 20.976	+2.9609	+ 22	−10 38 44.29	+17.811	− 34
64	α Trianguli	3.58	F 5	1 49 29.045	+3.4185	+ 11	+29 16 21.71	+17.567	−233
63	ε Cassiopeiae	3.44	B 3	1 49 50.375	+4.3064	+ 50	+63 21 39.09	+17.771	− 15
65	ξ Piscium	4.84	K o	1 50 17.503	+3.1054	+ 13	+ 2 52 37.59	+17.786	+ 19
67	ψ Phoenicis	4.41	M b	1 51 7.267	+2.4047	− 94	−46 36 39.41	+17.632	−101
66	β Arietis	2.72	A 5	1 51 9.275	+3.3125	+ 65	+20 30 3.00	+17.623	−109
69	[η² Hydri]	4.72	K o	1 53 20.128	+1.5187	+ 119	−67 57 24.58	+17.722	+ 79
68	χ Eridani	3.73	G 5	1 53 30.346	+2.3336	+ 711	−51 55 20.47	+17.905	+270
72	α Hydri	3.02	F o	1 56 47.036	+1.8895	+ 360	−61 52 33.92	+17.518	+ 21
71	υ Ceti	4.18	M a	1 57 2.183	+2.8264	+ 91	−21 22 56.52	+17.473	− 14
70	50 Cassiopeiae	4.06	A 2	1 58 0.705	+5.1035	− 91	+72 7 3.71	+17.470	+ 25
73	γ Androm.	2.28 5.08	K o A o	2 0 1.356	+3.6796	+ 43	+42 1 41.71	+17.304	− 54
74	α Arietis	2.23	K 2	2 3 36.980	+3.3804	+ 137	+23 9 55.61	+17.055	−143
75	β Trianguli	3.08	A 5	2 5 47.229	+3.5678	+ 122	+34 41 24.77	+17.060	− 40
77	[6 Persei]	5.40	K o	2 9 24.138	+3.9857	+ 368	+50 46 27.05	+16.763	−169
76	55 Cassiopeiae	6.15	F 5 +A 2	2 9 30.649	+4.6967	− 10	+66 13 49.67	+16.930	+ 3
78	Lac. μ Forn.	5.24	A o	2 10 8.056	+2.6422	+ 13	−31 1 7.59	+16.900	+ 2
79	[γ Trianguli]	4.07	A o	2 13 33.699	+3.5645	+ 37	+33 33 24.82	+16.691	− 44

Mittlere Sternörter 1937.0

Nr.	Name	Größe	Spektrum	AR. 1937.0	Jährl. Verände-rung	Jährl. Eigen-bew. in 0.s0001	Dekl. 1937.0	Jährl. Verände-rung	Jährl. Eigen-bew. in 0."001
		m		h m	s		° ' "	"	
80	67 Ceti	5.70	G 5	2 13 50.363	+2.9918	+ 55	− 6 42 42.20	+16.612	−110
82	[φ Eridani]	3.78	B 8	2 14 15.467	+2.1422	+ 81	−51 48 12.33	+16.666	− 36
81	[ϑ Arietis]	5.69	A 0	2 14 36.993	+3.3359	− 10	+19 36 38.14	+16.683	− 2
83	[ϰ Fornacis]	5.37	F 5	2 19 39.578	+2.7450	+ 142	−24 6 7.02	+16.373	− 63
84	[λ Horologii]	5.47	F 2	2 23 8.159	+1.6772	− 95	−60 35 36.80	+16.123	−137
86	[ϰ Eridani]	4.44	B 5	2 24 40.456	+2.1974	− 2	−47 59 10.42	+16.158	− 23
85	ξ^2 Ceti	4.34	A 0	2 24 48.377	+3.1890	+ 26	+ 8 10 43.02	+16.170	− 4
88	[λ^1 Fornacis]	5.88	K 0	2 30 29.271	+2.4992	− 43	−34 55 35.67	+15.844	− 32
87	36 H. Cassiop.	5.34	K 0	2 31 59.828	+5.6833	− 60	+72 32 40.18	+15.817	+ 21
90	μ Hydri	5.29	K 0	2 32 57.585	−1.2930	+ 468	−79 23 3.92	+15.710	− 34
89	ν Arietis	5.36	A 2	2 35 14.027	+3.4052	− 9	+21 41 24.12	+15.603	− 16
91	δ Ceti	4.04	B 2	2 36 15.057	+3.0745	+ 7	+ 0 3 27.61	+15.561	− 2
95	[ε Hydri]	4.26	B 9	2 38 36.817	+0.9210	+ 168	−68 32 11.82	+15.437	+ 5
92	[Br 366]	5.84	A 2	2 39 22.505	+5.1484	+ 25	+67 33 31.02	+15.361	− 29
94	[35 Arietis]	4.58	B 3	2 39 44.923	+3.5188	+ 4	+27 26 24.80	+15.362	− 7
93	ϑ Persei	4.22	F 8	2 39 53.093	+4.0939	+ 346	+48 57 47.70	+15.272	− 89
96	[γ Ceti]	3.58	A 2	2 40 2.007	+3.1078	− 98	+ 2 58 16.56	+15.205	−148
97	π Ceti	4.39	B 5	2 41 7.389	+2.8548	− 8	−14 7 28.43	+15.282	− 9
98	μ Ceti	4.36	F 0	2 41 31.976	+3.2422	+ 189	+ 9 50 57.01	+15.237	− 31
99	[η Persei]	3.93	K 0	2 46 5.148	+4.3712	+ 28	+55 38 7.72	+14.996	− 11
100	41 Arietis	3.68	B 8	2 46 16.182	+3.5299	+ 51	+27 0 7.27	+14.883	−113
101	β Fornacis	4.50	K 0	2 46 27.188	+2.5103	+ 63	−32 40 10.93	+15.144	+159
102	τ^2 Eridani	4.81	K 0	2 48 10.811	+2.7209	− 39	−21 15 46.91	+14.856	− 29
103	τ Persei	4.06	G 0 + A 5	2 49 46.639	+4.2488	+ 3	+52 30 21.92	+14.790	− 2
104	η Eridani	4.05	K 0	2 53 20.894	+2.9305	+ 52	− 9 8 52.57	+14.360	−218
106	ϑ Eridani	3.42 4.42	A 2	2 55 52.199	+2.2724	− 67	−40 33 22.55	+14.454	+ 28
105	47 H. Cephei	5.66	M a	2 57 37.603	+7.9506	− 113	+79 10 21.39	+14.340	+ 22
107	α Ceti	2.82	M a	2 58 58.998	+3.1353	− 9	+ 3 50 37.08	+14.159	− 76
108	γ Persei	3.08	F 5 + A 3	3 0 13.178	+4.3403	+ 2	+53 15 40.41	+14.156	− 4
109	*ρ Persei	var.	M b	3 1 7.884	+3.8424	+ 114	+38 35 51.10	+13.999	−104
113	[ϑ Hydri]	5.52	B 8	3 2 6.628	+0.1174	+ 51	−72 8 54.13	+14.064	+ 22
110	μ Horologii	5.16	F 0	3 2 7.455	+1.4108	− 117	−59 58 54.12	+13.973	− 68
111	*β Persei	var.	B 8	3 4 3.675	+3.9011	+ 7	+40 42 51.57	+13.918	− 1
112	[ι Persei]	4.17	G 0	3 4 30.504	+4.3256	+1297	+49 22 26.84	+13.807	− 85
114	δ Arietis	4.53	K 0	3 8 1.322	+3.4295	+ 106	+19 29 22.99	+13.664	− 4
117	12 Eridani	3.95	F 8	3 9 23.586	+2.5471	+ 241	−29 14 4.32	+14.224	+644
116	[94 Ceti]	5.14	F 8	3 9 33.446	+3.0621	+ 136	− 1 25 50.26	+13.508	− 62
118	[Horol. 38 G.]	5.72	N a	3 10 57.110	+1.5168	− 5	−57 33 25.79	+13.474	− 6
115	48 H. Cephei	5.50	F 0	3 12 15.039	+7.5773	+ 183	+77 30 22.56	+13.351	− 44
119	[e Eridani]	4.30	G 5	3 17 24.729	+2.3957	+2785	−43 18 36.34	+13.785	+729

Nr. 109. Größe: Max. 3.3, Min. 4.1. Nr. 111. Größe: Max. 2.3, Min. 3.5.

Nr.	Name	Größe	Spektrum	AR. 1937.0	Jährl. Veränderung	Jährl. Eigenbew. in 0ˢ.0001	Dekl. 1937.0	Jährl. Veränderung	Jährl. Eigenbew. in 0″.001
		m		h m s	s		° ′ ″	″	
120	α Persei	1.90	F 5	3 19 48.819	+4.2795	+ 29	+49 38 18.72	+12.870	− 26
121	o Tauri	3.80	G 5	3 21 25.203	+3.2281	− 44	+ 8 48 30.05	+12.712	− 76
123	[ξ Tauri]	3.75	B 8	3 23 45.100	+3.2508	+ 39	+ 9 30 50.83	+12.586	− 45
122	2 H. Camelop.	4.42	B 9p	3 23 56.988	+4.8514	− 1	+59 43 21.90	+12.624	+ 6
124	[σ Persei]	4.55	K 0	3 26 7.373	+4.2269	+ 9	+47 46 45.84	+12.492	+ 23
125	f Tauri	4.28	K 0	3 27 23.483	+3.3115	+ 13	+12 43 19.03	+12.377	− 5
126	[κ Reticuli]	4.80	F 5	3 28 16.111	+1.0417	+514	−63 9 33.83	+12.682	+360
127	ε Eridani	3.81	K 0	3 29 57.675	+2.8266	−658	− 9 40 13.90	+12.218	+ 14
128	[Horol. 45 G.]	5.60	K 0	3 30 41.716	+1.7846	+ 48	−50 35 30.25	+12.234	+ 80
130	[y Eridani]	4.58	K 0	3 34 49.953	+2.1521	− 16	−40 28 49.56	+11.840	− 24
129	[Grb 716]	5.32	M a	3 36 40.103	+5.1985	− 21	+63 0 52.73	+11.757	+ 22
131	δ Persei	3.10	B 5	3 38 25.787	+4.2688	+ 33	+47 35 16.04	+11.574	− 35
133	[δ Fornacis]	4.93	B 5	3 39 44.490	+2.3854	− 5	−32 8 19.74	+11.522	+ 7
135	[δ Eridani]	3.72	K 0	3 40 13.729	+2.8740	− 64	− 9 58 31.77	+12.227	+747
132	[o Persei]	3.94	B 1	3 40 21.745	+3.7610	+ 8	+32 5 24.27	+11.454	− 17
134	ν Persei	3.93	F 5	3 40 54.373	+4.0740	− 6	+42 22 52.03	+11.427	− 5
136	[17 Tauri]	3.81	B 5p	3 41 7.803	+3.5618	+ 17	+23 55 0.15	+11.372	− 44
137	[24 Eridani]	5.09	B 8	3 41 18.394	+3.0470	+ 1	− 1 21 38.41	+11.394	− 8
141	β Reticuli	3.80	K 0	3 43 24.153	+0.7487	+477	−65 0 18.45	+11.312	+ 61
138	5 H. Camelop.	4.67	A 0	3 43 40.388	+6.3172	+ 42	+71 8 26.56	+11.192	− 40
139	η Tauri	2.96	B 5p	3 43 44.119	+3.5656	+ 17	+23 54 42.20	+11.180	− 48
140	τ⁶ Eridani	4.33	F 8	3 44 8.163	+2.5803	−124	−23 26 4.80	+10.679	−519
142	[27 Tauri]	3.80	B 8	3 45 24.702	+3.5665	+ 14	+23 51 44.00	+11.061	− 45
143	g Eridani	4.24	K 0	3 47 5.772	+2.2453	− 40	−36 23 24.60	+10.931	− 52
146	γ Hydri	3.17	M a	3 48 11.597	−0.9393	+124	−74 25 57.36	+11.012	+109
144	ζ Persei	2.91	B 1	3 50 10.009	+3.7704	+ 11	+31 41 53.08	+10.746	− 11
145	*9 H. Camelop.	5.22	K 0 + A 0	3 51 44.931	+5.1095	− 3	+60 55 34.87	+10.624	− 16
147	ε Persei	2.96	B 1	3 53 37.175	+4.0246	+ 23	+39 49 46.45	+10.472	− 29
148	ξ Persei	4.05	Oe 5	3 54 52.309	+3.8920	+ 10	+35 36 40.97	+10.399	− 8
149	γ Eridani	3.19	K 5	3 55 5.331	+2.7990	+ 42	−13 41 11.91	+10.280	−112
150	*λ Tauri	var.	B 3	3 57 11.208	+3.3234	− 5	+12 18 49.27	+10.221	− 13
151	ν Tauri	3.94	A 0	3 59 48.166	+3.1913	+ 4	+ 5 48 56.62	+10.027	− 10
153	[Erid. 174 G.]	5.57	A 5	4 3 1.576	+2.4725	+148	−27 49 23.06	+ 9.899	+107
152	c Persei	4.03	B 3p	4 4 4.808	+4.3541	+ 33	+47 32 46.00	+ 9.679	− 32
154	o¹ Eridani	4.14	F 2	4 8 47.339	+2.9286	+ 8	− 7 0 2.30	+ 9.431	+ 82
155	α Horologii	3.83	K 0	4 11 54.681	+1.9862	+ 20	−42 26 56.55	+ 8.887	−219
156	α Reticuli	3.36	G 5	4 13 36.451	+0.7699	+ 50	−62 37 52.19	+ 9.021	+ 47
157	[γ Doradus]	4.36	F 5	4 14 22.324	+1.5695	+ 89	−51 38 42.19	+ 9.086	+171
160	υ⁴ Eridani	3.59	B 9	4 15 30.488	+2.2690	+ 37	−33 57 4.64	+ 8.813	− 12
159	[γ Tauri]	3.86	K 0	4 16 12.316	+3.4139	+ 82	+15 28 36.80	+ 8.741	− 29

Nr. 145. Doppelstern, Größe der Komponenten: 5.0 und 8.2. Nr. 150. Größe: Max. 3.3, Min. 4.2.

Mittlere Sternörter 1937.0

Nr.	Name	Größe	Spektrum	AR. 1937.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1937.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
		m		h m s	s		° ′ ″	″	
158	[54 Persei]	5.10	G 5	4 16 18.883	+3.8945	− 20	+34 24 58.77	+8.756	− 6
161	[Erid. 212 G.]	5.31	A 0	4 17 54.161	+2.6188	+ 36	−20 47 18.43	+8.652	+ 15
162	δ Tauri	3.93	K 0	4 19 17.926	+3.4597	+ 78	+17 23 46.41	+8.495	− 31
163	[η Reticuli]	5.18	K 0	4 21 12.173	+0.6470	+127	−63 32 8.93	+8.535	+160
166	[δ Mensae]	5.62	K 0 p	4 22 11.050	−4.0806	+100	−80 21 47.44	+8.369	+ 71
164	ε Tauri	3.63	K 0	4 24 56.116	+3.5032	+ 80	+19 2 32.16	+8.042	− 36
165	*[1 Camel. seq.]	5.42	B 1	4 27 1.900	+4.7498	+ 7	+53 46 33.67	+7.910	0
167	[δ Caeli]	5.16	B 3	4 28 54.215	+1.8366	− 6	−45 5 18.09	+7.742	− 17
168	α Tauri	1.06	K 5	4 32 18.187	+3.4423	+ 48	+16 23 3.03	+7.295	−189
171	α Doradus	3.47	A 0 p	4 32 38.095	+1.2972	+ 71	−55 10 28.12	+7.460	+ 3
170	[υ² Eridani]	3.88	K 0	4 33 5.986	+2.3317	− 46	−30 41 24.61	+7.414	− 6
169	ν Eridani	4.12	B 2	4 33 10.189	+2.9978	+ 2	− 3 28 47.84	+7.409	− 4
172	53 Eridani	3.98	K 0	4 35 17.624	+2.7471	− 54	−14 25 33.78	+7.076	−164
174	τ Tauri	4.33	B 5	4 38 27.680	+3.6011	+ 5	+22 50 15.55	+6.963	− 19
173	Grb 848	6.04	F 0	4 40 19.196	+8.0593	+104	+75 49 48.65	+6.696	−134
176	[μ Eridani]	4.18	B 5	4 42 21.079	+3.0002	+ 13	− 3 22 7.62	+6.650	− 12
175	4 Camelop.	5.35	A 2	4 42 44.792	+4.9950	+ 60	+56 38 51.22	+6.483	−146
177	[μ Mensae]	5.69	B 9	4 43 41.101	−0.6026	+ 17	−71 2 48.65	+6.580	+ 28
178	9 Camelop.	4.38	B 0	4 47 46.343	+5.9592	+ 5	+66 14 18.46	+6.222	+ 10
179	[π⁴ Orionis]	3.78	B 3	4 47 50.941	+3.1953	0	+ 5 29 55.31	+6.199	− 7
180	π⁵ Orionis	3.87	B 3	4 50 58.089	+3.1250	− 2	+ 2 20 19.93	+5.943	− 3
181	ι Aurigae	2.90	K 2	4 52 53.278	+3.9071	+ 10	+33 4 5.26	+5.766	− 20
183	*ε Aurigae	var.	F 5 p	4 57 26.636	+4.3047	+ 6	+43 43 55.01	+5.390	− 14
182	10 Camelop.	4.22	G 0 p	4 57 48.319	+5.3348	− 1	+60 21 9.65	+5.361	− 12
184	ι Tauri	4.70	A 5	4 59 19.696	+3.5864	+ 53	+21 30 5.86	+5.202	− 43
185	η Aurigae	3.28	B 3	5 2 5.603	+4.2070	+ 33	+41 9 4.27	+4.939	− 71
186	ε Leporis	3.29	K 5	5 2 47.618	+2.5399	+ 20	−22 27 15.98	+4.883	− 68
187	[η² Pictoris]	4.92	K 5	5 3 19.822	+1.5509	+ 35	−49 39 44.18	+4.912	+ 6
189	[ζ Doradus]	4.76	F 8	5 4 25.554	+1.0253	− 70	−57 33 30.33	+4.916	+103
188	β Eridani	2.92	A 3	5 4 45.108	+2.9498	− 59	− 5 9 59.43	+4.706	− 79
190	[λ Eridani]	4.34	B 2	5 6 7.846	+2.8714	+ 3	− 8 50 0.78	+4.664	− 4
192	μ Aurigae	4.78	A 3	5 9 6.853	+4.1052	− 13	+38 24 42.29	+4.335	− 79
194	β Orionis	0.34	B 8 p	5 11 30.547	+2.8832	+ 2	− 8 16 23.05	+4.209	0
193	α Aurigae	0.21	G 0	5 12 1.903	+4.4319	+ 84	+45 56 9.55	+3.737	−428
191	19 H. Camelop.	5.16	F 8	5 12 8.052	+9.8711	−309	+79 9 48.52	+4.317	+161
196	ϑ Doradus	4.78	K 0	5 13 48.037	−0.0485	+ 15	−67 15 22.24	+4.052	+ 39
195	[τ Orionis]	3.68	B 5	5 14 32.781	+2.9131	− 12	− 6 54 40.01	+3.942	− 7
197	[ο Columbae]	4.91	K 0	5 15 12.656	+2.1629	+ 62	−34 57 20.35	+3.564	−329
198	[Columb. 12 G.]	5.75	A 0	5 16 53.030	+2.3924	+ 8	−27 25 57.21	+3.737	− 11
199	[ζ Pictoris]	5.52	F 8	5 17 49.261	+1.4705	+ 9	−50 40 22.70	+3.895	+227

Nr. 165. Doppelstern, Größe der Komponenten: 5.86 und 6.61. Nr. 183. Größe: Max. 3.4, Min. 4.1.

Nr.	Name	Größe	Spektrum	AR. 1937.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s0001	Dekl. 1937.0	Jährl. Veränderung	Jährl. Eigenbew. in 0″001
		m		h m s	s		° ′ ″	″	
200	[η Orion. med.]	3.44	B 1	5 21 18.542	+3.0171	+ 5	− 2 27 13.13	+3.369	+ 1
201	γ Orionis	1.70	B 2	5 21 45.067	+3.2181	− 3	+ 6 17 38.40	+3.309	− 20
202	β Tauri	1.78	B 8	5 22 18.477	+3.7929	+ 25	+28 33 21.67	+3.105	−177
203	17 Camelop.	5.75	K 5	5 24 12.819	+5.6652	− 3	+63 1 2.29	+3.116	− 1
204	[β Leporis]	2.96	G 0	5 25 32.763	+2.5713	+ 4	−20 48 30.81	+2.909	− 93
206	δ Orionis	2.48 6.87	B 0	5 28 47.217	+3.0651	0	− 0 20 39.60	+2.720	− 2
207	α Leporis	2.69	F 0	5 29 57.054	+2.6462	+ 2	−17 51 58.17	+2.623	+ 2
205	Grb 966	6.36	K 5	5 31 17.349	+8.0221	− 8	+75 0 21.17	+2.524	+ 20
208	[φ¹ Orionis]	4.53	B 0	5 31 21.653	+3.2936	− 1	+ 9 26 54.07	+2.488	− 10
209	ι Orionis	2.87	Oe 5	5 32 21.053	+2.9352	+ 4	− 5 56 59.85	+2.408	− 4
210	ε Orionis	1.75	B 0	5 33 0.950	+3.0444	+ 1	− 1 14 26.70	+2.352	− 3
212	β Doradus	3.81	F 5p	5 33 4.540	+0.5191	− 13	−62 31 51.10	+2.347	− 2
211	ζ Tauri	3.00	B 3p	5 33 52.721	+3.5860	+ 6	+21 6 20.74	+2.254	− 26
214	[γ Mensae]	5.06	K 0	5 34 22.013	−2.3818	+285	−76 23 12.72	+2.535	+298
213	[σ Orionis]	3.78	B 0	5 35 34.954	+3.0119	0	− 2 38 6.10	+2.131	− 1
215	α Columbae	2.75	B 5p	5 37 21.990	+2.1723	− 2	−34 6 24.65	+1.939	− 37
216	ο Aurigae	5.52	A 0	5 41 1.101	+4.6483	− 6	+49 48 3.04	+1.650	− 9
217	[γ Leporis]	3.80	F 8	5 41 50.239	+2.5020	−201	−22 28 4.21	+1.211	−375
218	[130 Tauri]	5.51	F 0	5 43 45.783	+3.4990	+ 4	+17 42 25.91	+1.413	− 6
219	ζ Leporis	3.67	A 2	5 44 6.013	+2.7185	− 12	−14 50 38.92	+1.388	− 2
220	κ Orionis	2.20	B 0	5 44 46.089	+2.8457	+ 4	− 9 41 26.39	+1.328	− 3
221	[ν Aurigae]	4.18	K 0	5 47 7.336	+4.1581	− 4	+39 7 55.50	+1.137	+ 11
222	[δ Leporis]	3.90	K 0	5 48 36.700	+2.5803	+164	−20 52 59.89	+0.343	−653
223	[β Columbae]	3.22	K 0	5 48 44.237	+2.1142	+ 34	−35 47 27.45	+1.388	+404
224	α Orionis	0.92	M a	5 51 45.635	+3.2484	+ 20	+ 7 23 49.01	+0.734	+ 13
226	[η Leporis]	3.77	F 0	5 53 32.112	+2.7329	− 27	−14 10 40.43	+0.705	+140
225	δ Aurigae	3.88	K 0	5 54 20.373	+4.9408	+100	+54 16 56.22	+0.373	−122
227	β Aurigae	2.07	A 0p	5 54 54.468	+4.4021	− 42	+44 56 35.01	+0.438	− 8
228	ϑ Aurigae	2.71	A 0p	5 55 25.527	+4.0923	+ 48	+37 12 36.09	+0.313	− 87
229	η Columbae	4.03	K 0	5 57 13.100	+1.8372	+ 22	−42 49 4.99	+0.210	− 34
230	[66 Orionis]	5.70	K 0	6 1 38.598	+3.1697	− 6	+ 4 9 48.87	−0.159	− 15
231	[Puppis 1 G.]	6.22	F 8	6 2 39.601	+1.7270	− 83	−45 2 8.28	0.000	+232
232	ν Orionis	4.40	B 2	6 3 58.516	+3.4265	+ 11	+14 46 38.87	−0.379	− 31
233	[36 Camelop.]	5.39	K 0	6 6 30.761	+6.0354	− 5	+65 44 1.83	−0.599	− 29
235	[δ Pictoris]	4.84	B 1	6 9 4.193	+1.1672	− 22	−54 57 15.03	−0.800	− 7
236	*η Geminor.	var.	M a	6 11 4.514	+3.6224	− 42	+22 31 36.51	−0.981	− 13
234	22 H. Camelop.	4.73	A 0	6 11 54.501	+6.6145	+ 15	+69 20 42.92	−1.143	−102
239	[α Mensae]	5.14	K 0	6 12 6.780	−1.7923	+233	−74 43 56.77	−1.285	−227
237	[2 Lyncis]	4.42	A 0	6 14 3.998	+5.2953	− 7	+59 2 10.82	−1.200	+ 29
238	[κ Columbae]	4.51	K 0	6 14 18.617	+2.1345	− 6	−35 7 7.23	−1.177	+ 74

Nr. 236. Größe: Max. 3.3, Min. 4.2.

Mittlere Sternörter 1937.0

Nr.	Name	Größe	Spektrum	AR. 1937.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1937.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
		m		h m s	s		° ′ ″	″	
240	ζ Canis maj.	3.10	B 3	6 17 53.632	+ 2.3030	+ 2	−30 2 3.25	−1.560	+ 4
241	μ Geminor.	3.19	M a	6 19 9.000	+ 3.6306	+ 48	+22 32 51.67	−1.784	− 111
243	β Canis maj.	1.99	B 1	6 19 55.491	+ 2.6420	− 4	−17 55 24.05	−1.738	+ 2
242	ψ¹ Aurigae	5.10	K 2	6 20 2.914	+ 4.6227	+ 9	+49 19 20.20	−1.754	− 3
244	8 Monocer.	4.48 6.54	A 5	6 20 25.810	+ 3.1800	− 7	+ 4 37 34.63	−1.780	+ 4
245	α Argus	-0.86	F 0	6 22 33.123	+ 1.3315	+ 16	−52 39 38.48	−1.958	+ 11
246	10 Monocer.	4.98	B 3	6 24 50.920	+ 2.9631	− 2	− 4 43 18.35	−2.164	+ 5
247	8 Lyncis	6.05	G 0	6 31 56.265	+ 5.4856	−285	+61 32 20.87	−3.061	− 276
249	ξ² Canis maj.	4.54	A 0	6 32 24.927	+ 2.5144	+ 5	−22 54 49.40	−2.812	+ 13
251	γ Geminor.	1.93	A 0	6 34 4.400	+ 3.4668	+ 34	+16 27 16.78	−3.015	− 46
250	51 Aurigae	5.71	K 0	6 34 17.715	+ 4.1584	− 19	+39 26 53.83	−3.103	− 114
248	23 H. Camelop.	5.60	F 8	6 35 31.102	+10.2627	−302	+79 38 14.65	−3.716	− 621
252	ν Argus	3.18	B 8	6 35 49.985	+ 1.8357	− 4	−43 8 24.10	−3.141	− 20
253	*S Monocer.	4.68	Oe 5	6 37 30.566	+ 3.3050	+ 6	+ 9 57 20.05	−3.271	− 5
254	ε Geminor.	3.18	G 5	6 40 3.467	+ 3.6925	+ 3	+25 11 42.89	−3.500	− 15
256	ξ Geminor.	3.40	F 5	6 41 45.266	+ 3.3681	− 75	+12 57 54.08	−3.831	− 199
255	[ψ⁵ Aurigae]	5.34	G 0	6 42 12.096	+ 4.3265	+ 7	+43 38 31.28	−3.516	+ 154
257	*α Canis maj.	-1.58	A 0	6 42 22.410	+ 2.6436	−371	−16 37 42.55	−4.896	−1211
258	18 Monocer.	4.70	K 0	6 44 34.623	+ 3.1296	− 2	+ 2 28 56.83	−3.894	− 20
264	[ζ Mensae]	5.64	A 2	6 45 19.375	− 4.9743	− 33	−80 44 56.43	−3.853	+ 85
259	[43 Camelop.]	5.13	B 5	6 46 55.420	+ 6.4767	+ 16	+68 57 52.17	−4.072	+ 3
262	α Pictoris	3.30	A 5	6 47 32.788	+ 0.6169	− 99	−61 52 24.49	−3.872	+ 256
263	[τ Argus]	2.83	K 0	6 48 22.353	+ 1.4887	+ 29	−50 32 21.08	−4.295	− 96
261	ϑ Geminor.	3.64	A 2	6 48 38.359	+ 3.9561	+ 7	+34 2 20.33	−4.277	− 55
260	[24 H. Camel.]	4.75	K 5	6 50 54.491	+ 8.7682	+216	+77 3 42.12	−4.430	− 14
266	ϑ Canis maj.	4.25	K 2	6 51 15.778	+ 2.7877	− 94	−11 57 30.28	−4.459	− 13
265	15 Lyncis	4.54	G 0	6 51 49.676	+ 5.1987	− 1	+58 30 28.02	−4.624	− 130
267	[ι Volantis]	5.52	B 8	6 52 10.603	− 0.6836	− 4	−70 53 7.11	−4.512	+ 12
268	ε Canis maj.	1.63	B 1	6 56 8.944	+ 2.3578	0	−28 53 6.88	−4.860	+ 1
269	*ζ Geminor.	var.	G 0 p	7 0 22.451	+ 3.5596	0	+20 39 51.74	−5.222	− 3
270	[o² Canis maj.]	3.12	B 5 p	7 0 23.621	+ 2.5054	− 2	−23 44 24.42	−5.221	0
271	γ Canis maj.	4.07	B 5	7 0 54.534	+ 2.7153	+ 8	−15 32 20.36	−5.277	− 12
272	[Carinae 27 G.]	5.30	A 0	7 3 7.769	+ 1.1165	− 24	−56 39 12.93	−5.459	− 7
273	δ Canis maj.	1.98	F 8 p	7 5 49.736	+ 2.4391	− 8	−26 17 31.42	−5.675	+ 3
274	63 Aurigae	5.07	K 2	7 7 19.560	+ 4.1290	+ 45	+39 25 30.77	−5.803	0
275	[J Puppis]	4.47	F 0	7 10 45.776	+ 1.7096	−147	−46 39 12.30	−6.000	+ 91
276	[64 Aurigae]	5.75	A 3	7 13 39.669	+ 4.1747	− 3	+40 59 49.20	−6.328	+ 3
277	λ Geminor.	3.65	A 2	7 14 28.442	+ 3.4488	− 31	+16 39 19.88	−6.443	− 44
278	π Argus	2.74	K 5	7 14 55.010	+ 2.1186	− 14	−36 59 0.31	−6.433	+ 3
279	δ Geminor.	3.51	F 0	7 16 21.780	+ 3.5847	− 11	+22 6 0.13	−6.566	− 10

Nr. 253. Doppelstern, Größe der Komponenten: 6.0 und 8.8.
Nr. 257. Ort des Schwerpunktes. Die Reduktion auf den Hauptstern ist nach den Elementen von Auwers A. N. 3085:

$$1937.0 \quad \Delta\alpha = -0^{s}.057 \qquad \Delta\delta = -1''.92$$
$$1938.0 \quad = -0.036 \qquad = -1.74$$

Nr. 269. Größe: Max. 3.7, Min. 4.3.

Nr.	Name	Größe	Spektrum	AR. 1937.0	Jährl. Verände-rung	Jährl. Eigen-bew. in 0.s0001	Dekl. 1937.0	Jährl. Verände-rung	Jährl. Eigen-bew. in 0".001
		m		h m s	s		° ' "	"	
281	δ Volantis	4.02	F 5	7 16 52.184	−0.0250	+ 4	−67 50 31.51	− 6.610	− 12
280	19 Lyncis seq.	5.61	B 8	7 17 44.110	+4.8997	− 1	+55 24 8.19	− 6.703	− 34
283	[η Can. maj.]	2.43	B 5p	7 21 36.171	+2.3732	− 5	−29 10 44.27	− 6.974	+ 13
282	ι Geminor.	3.89	K 0	7 21 49.030	+3.7283	− 83	+27 55 30.05	− 7.090	− 85
285	β Canis min.	3.09	B 8	7 23 44.142	+3.2546	− 31	+ 8 25 3.83	− 7.202	− 40
284	Grb 1308	5.80	K 0	7 24 20.607	+6.2532	− 7	+68 35 49.48	− 7.255	− 44
286	ρ Geminor.	4.18	F 0	7 25 3.757	+3.8607	+122	+31 54 41.88	− 7.087	+ 182
287	*α Geminor.	2.85 1.99	A 0	7 30 34.942	+3.8316	−129	+32 1 44.11	− 7.799	− 81
288	[Pupp. 108 G.]	4.52	F 8	7 31 21.332	+2.5676	− 39	−22 9 33.27	− 7.762	+ 18
289	25 Monocer.	5.17	F 5	7 34 8.791	+2.9833	− 47	− 3 58 8.28	− 7.984	+ 20
290	[*f* Puppis]	4.62	B 8	7 35 2.185	+2.2195	− 27	−34 49 32.83	− 8.059	+ 16
291	*α Canis min.	0.48	F 5	7 36 0.314	+3.1411	−470	+ 5 23 16.33	− 9.180	−1027
292	24 Lyncis	4.96	A 2	7 37 41.286	+5.0821	− 47	+58 51 35.89	− 8.340	− 53
293	[26 Monocer.]	4.07	K 0	7 38 14.218	+2.8661	− 57	− 9 24 10.51	− 8.352	− 21
294	ϰ Geminor.	3.68	G 5	7 40 38.860	+3.6240	− 15	+24 33 2.39	− 8.576	− 54
295	β Geminor.	1.21	K 0	7 41 27.859	+3.6731	−468	+28 10 47.83	− 8.639	− 52
297	ζ Volantis	3.89	K 0	7 42 36.227	−0.7361	+ 8	−72 27 18.52	− 8.669	+ 8
296	π Geminor.	5.29	K 2	7 43 26.955	+3.8710	− 1	+33 34 19.14	− 8.774	− 31
298	[Pupp. 205 G.]	5.34	G 0	7 48 51.294	+2.7785	− 41	−13 43 46.88	− 9.509	− 343
301	[α Puppis]	3.76	G 5	7 50 3.037	+2.0621	− 18	−40 24 44.68	− 9.258	+ 1
299	[26 Lyncis]	5.69	K 0	7 50 7.953	+4.3726	− 40	+47 43 46.94	− 9.272	− 6
300	Grb 1374	5.56	K 0	7 52 41.617	+7.2023	− 31	+74 5 21.52	− 9.496	− 32
303	χ Argus	3.60	B 3	7 55 10.689	+1.5264	− 32	−52 48 45.18	− 9.631	+ 24
302	[53 Camelop.]	6.00	A 2p	7 56 20.578	+5.1339	− 30	+60 29 55.59	− 9.765	− 21
304	[27 Monocer.]	5.06	K 0	7 56 35.426	+2.9988	− 27	− 3 30 23.00	− 9.753	+ 9
305	χ Geminor.	5.04	K 0	7 59 39.178	+3.6867	− 15	+27 58 20.94	−10.041	− 46
306	ζ Argus	2.27	O d	8 1 22.122	+2.1080	− 34	−39 49 29.30	−10.115	+ 10
307	27 Lyncis	4.87	A 2	8 3 43.709	+4.5179	− 59	+51 41 24.51	−10.307	− 4
308	ι Navis	2.88	F 5	8 4 51.628	+2.5549	− 64	−24 7 17.93	−10.341	+ 47
309	γ Argus	2.22	O ap	8 7 35.422	+1.8488	− 12	−47 9 0.86	−10.596	− 4
311	20 Navis	5.05	G 5	8 10 26.251	+2.7580	− 8	−15 35 50.33	−10.808	− 6
310	Br 1147	5.73	G 5	8 11 40.726	+7.5617	+ 58	+75 57 8.22	−10.876	+ 17
312	β Cancri	3.76	K 2	8 13 6.043	+3.2546	− 30	+ 9 22 51.59	−11.049	− 52
313	[*q* Puppis]	4.43	A 5	8 16 11.708	+2.2445	−104	−36 27 47.58	−11.134	+ 89
314	31 Lyncis	4.43	K 5	8 18 31.837	+4.1116	− 8	+43 23 30.23	−11.499	− 108
315	ε Argus	1.74	K 0 +B	8 21 13.425	+1.2328	− 32	−59 18 22.21	−11.569	+ 15
316	Br 1197	3.95	A 0	8 22 30.828	+2.9987	− 41	− 3 41 58.81	−11.697	− 21
318	ϑ Chamael.	4.26	K 0	8 22 33.730	−1.7845	−458	−77 16 55.10	−11.649	+ 31
317	ο Ursae maj.	3.47	G 0	8 25 2.875	+4.9938	−174	+60 55 50.53	−11.966	− 110
319	[β Volantis]	3.65	K 0	8 25 3.459	+0.6560	− 55	−65 55 35.65	−12.033	− 177

Nr. 287. Rektaszension der Mitte, Deklination des folgenden, helleren Sterns.
Nr. 291. Ort des Schwerpunktes. Die Reduktion auf den Ort des hellen Sterns beträgt nach den Elementen von Auwers A.N. 3929:

1937.0 $\Delta\alpha = +0.^{s}061$ $\Delta\delta = -0.''48$
1938.0 $= +0.057$ $= -0.56$

Mittlere Sternörter 1937.0

Nr.	Name	Größe	Spektrum	AR. 1937.0	Jährl. Veränderung	Jährl. Eigenbew. in 0ˢ.0001	Dekl. 1937.0	Jährl. Veränderung	Jährl. Eigenbew. in 0″.001
		m		h m s	s		° ′ ″	″	
320	Grb 1450	6.05	K 0	8 28 49.650	+3.9032	— 83	+38 14 2.31	—12.290	—170
321	η Cancri	5.52	K 0	8 29 4.160	+3.4714	— 26	+20 39 23.30	—12.187	— 50
322	[Grb 1446]	6.29	K 0	8 32 45.030	+6.6968	— 37	+73 51 8.64	—12.495	—104
323	[Grb 1460]	6.03	K 0	8 34 38.223	+4.4506	— 38	+52 56 2.32	—12.556	— 35
324	[*e* Velorum]	4.13	A 5	8 35 25.623	+2.1083	— 22	—42 46 4.93	—12.582	— 7
325	[6 Hydrae]	5.15	K 2	8 37 2.358	+2.8419	— 64	—12 15 5.73	—12.687	— 3
327	α Pyxidis	3.70	B 2	8 41 3.589	+2.4105	— 15	—32 57 29.99	—12.943	+ 12
326	δ Cancri	4.17	K 0	8 41 6.495	+3.4110	— 9	+18 23 13.35	—13.194	—236
328	ι Cancri	6.61 4.20	A 5 G 5	8 42 53.401	+3.6330	— 12	+28 59 29.93	—13.123	— 47
330	δ Argus	2.01	A 0	8 42 57.859	+1.6570	+ 21	—54 28 37.87	—13.175	— 93
329	[ε Hydrae]	3.48	F 8	8 43 26.514	+3.1783	— 126	+ 6 39 4.13	—13.163	— 50
331	[η Chamael.]	5.62	B 9	8 43 30.567	—2.0146	— 151	—78 44 6.81	—13.084	+ 34
332	[γ Pyxidis]	4.19	K 2	8 47 51.467	+2.5464	— 99	—27 28 30.51	—13.309	+ 94
333	[σ² Cancri med.]	5.60	K 0	8 50 24.371	+3.6629	+ 31	+30 49 9.17	—13.593	— 26
334	ζ Hydrae	3.30	K 0	8 52 3.935	+3.1725	— 64	+ 6 11 11.18	—13.662	+ 12
336	*c* Carinae	3.98	B 8	8 53 37.315	+1.3613	— 26	—60 24 11.35	—13.721	+ 52
335	ι Ursae maj.	3.12	A 5	8 54 54.294	+4.1128	— 437	+48 17 24.96	—14.101	—246
337	α Cancri	4.27	A 3	8 55 2.664	+3.2826	+ 26	+12 6 9.81	—13.899	— 35
339	10 Ursae maj.	4.09	F 5	8 56 33.557	+3.8992	— 383	+42 2 0.20	—14.222	—264
338	[ρ Ursae maj.]	4.99	M a	8 56 53.632	+5.4251	— 34	+67 52 37.04	—13.965	+ 15
341	κ Ursae maj.	3.68	A 0	8 59 20.083	+4.1010	— 27	+47 24 25.15	—14.197	— 65
340	[Grb 1501]	5.68	A 2	8 59 24.253	+4.4019	— 8	+54 32 1.28	—14.134	+ 3
343	α Volantis	4.18	A 5	9 1 27.408	+0.9492	— 8	—66 8 40.03	—14.376	—114
342	[*c* Velorum]	3.69	K 0	9 1 58.723	+2.0670	— 70	—46 50 46.94	—14.323	— 28
344	σ² Ursae maj.	4.87	F 8	9 4 52.658	+5.2916	— 17	+67 23 31.86	—14.539	— 67
345	λ Argus	2.22	K 5	9 5 40.577	+2.2053	— 33	—43 10 38.85	—14.511	+ 9
346	[36 Lyncis]	5.30	B 8	9 9 41.553	+3.9285	— 18	+43 28 43.17	—14.802	— 42
347	ϑ Hydrae	3.84	A 0	9 11 5.303	+3.1224	+ 89	+ 2 34 51.78	—15.155	—313
348	β Argus	1.80	A 0	9 12 31.008	+0.6626	— 304	—69 27 27.06	—14.828	+ 97
349	[38 Lyncis]	3.82	A 2	9 14 55.888	+3.7370	— 18	+37 4 13.27	—15.195	—129
351	[ι Argus]	2.25	F 0	9 15 24.184	+1.6055	— 35	—59 0 37.38	—15.091	+ 2
350	*83 Cancri	6.60	F 5	9 15 28.129	+3.3501	— 80	+17 58 24.40	—15.232	—135
352	40 Lyncis	3.30	K 5	9 17 13.405	+3.6576	— 178	+34 39 36.24	—15.185	+ 12
353	κ Argus	2.63	B 3	9 20 9.658	+1.8569	— 22	—54 44 27.75	—15.362	+ 2
354	α Hydrae	2.16	K 2	9 24 29.535	+2.9487	— 7	— 8 23 4.58	—15.572	+ 32
355	*h* Ursae maj.	3.75	F 0	9 26 35.123	+4.7411	+ 167	+63 20 19.49	—15.691	+ 28
356	[ε Antliae]	4.64	K 2	9 26 38.593	+2.4755	— 25	—35 40 30.69	—15.735	— 14
359	ψ Argus	3.64	F 5	9 28 12.984	+2.3617	— 172	—40 11 24.34	—15.732	+ 74
358	ϑ Ursae maj.	3.26	F 8 p	9 28 39.378	+4.0182	—1026	+51 57 56.03	—16.375	—545
357	*d* Ursae maj.	4.57	G 0	9 28 56.889	+5.3228	— 119	+70 6 31.76	—15.771	+ 75

Nr. 350. Größe aus Harvard 54 entnommen.

Nr.	Name	Größe	Spektrum	AR. 1937.0	Jährl. Verände-rung	Jährl. Eigen-bew. in 0ˢ.0001	Dekl. 1937.0	Jährl. Verände-rung	Jährl. Eigen-bew. in 0".001
		m		h m s	s		° ' "	"	
361	[*N* Velorum]	3.04	K 5	9 29 18.460	+1.8235	− 36	−56 45 20.87	−15.864	+ 1
360	10 Leon. min.	4.62	G 5	9 30 22.282	+3.6789	+ 13	+36 40 42.07	−15.947	− 26
362	[H. Carinae]	5.52	K 2	9 31 8.721	+0.4560	− 61	−72 48 5.24	−15.979	− 17
363	[Grb 1564]	5.74	K 0	9 36 53.312	+5.1523	−131	+69 31 32.39	−16.335	− 73
364	[ϰ Hydrae]	4.96	B 3	9 37 17.156	+2.8763	− 18	−14 2 43.76	−16.292	− 11
365	[o Leonis]	3.76	F 5 + A 3	9 37 47.451	+3.2031	− 94	+10 10 47.52	−16.344	− 37
366	ϑ Antliae	4.98	F 5 p	9 41 23.519	+2.6738	− 40	−27 28 48.95	−16.453	+ 35
367	ε Leonis	3.12	G 0 p	9 42 16.784	+3.4074	− 31	+24 3 54.77	−16.550	− 17
369	υ Argus	3.15 6.03	F 0	9 45 31.685	+1.5002	− 21	−64 46 45.66	−16.693	− 1
368	υ Ursae maj.	3.89	F 0	9 46 31.692	+4.2747	−379	+59 20 10.37	−16.893	−153
370	6 Sextantis	6.00	A 2	9 48 3.600	+3.0236	+ 8	− 3 56 50.35	−16.843	− 30
371	[μ Leonis]	4.10	K 0	9 49 11.112	+3.4137	−162	+26 18 16.55	−16.923	− 56
373	[Hydrae 183 G.]	5.16	M a	9 51 53.930	+2.8306	− 25	−18 42 37.95	−17.060	− 66
372	Grb 1586	5.96	K 0	9 52 47.738	+5.3845	−179	+73 10 49.21	−17.080	− 45
374	[19 Leon. min.]	5.19	F 5	9 53 50.073	+3.6783	−100	+41 21 23.63	−17.109	− 27
375	[φ Argus]	3.70	B 5	9 54 38.886	+2.1050	− 21	−54 16 2.56	−17.122	− 2
377	[η Antliae]	5.25	F 0	9 56 9.928	+2.5728	− 83	−35 35 19.68	−17.212	− 24
376	[12 Sextantis]	6.63	A 5	9 56 27.091	+3.1125	− 47	+ 3 41 12.59	−17.174	+ 27
378	π Leonis	4.89	M a	9 56 53.182	+3.1712	− 21	+ 8 20 50.17	−17.246	− 25
379	η Leonis	3.58	A 0 p	10 3 54.059	+3.2719	− 2	+17 4 14.17	−17.533	− 6
380	α Leonis	1.34	B 8	10 5 1.167	+3.1962	−167	+12 16 32.82	−17.574	− 1
381	λ Hydrae	3.83	K 0	10 7 31.013	+2.9253	−134	−12 2 31.01	−17.765	− 87
382	*q* Velorum	4.09	A 2	10 12 5.194	+2.5154	−154	−41 48 33.10	−17.818	+ 45
385	[ω Argus]	3.56	B 8	10 12 14.744	+1.4315	− 29	−69 43 29.06	−17.869	0
384	ζ Leonis	3.65	F 0	10 13 11.442	+3.3385	+ 15	+23 43 55.30	−17.914	− 7
383	λ Ursae maj.	3.52	A 2	10 13 18.374	+3.6221	−147	+43 13 46.74	−17.960	− 49
386	μ Ursae maj.	3.21	K 5	10 18 35.067	+3.5780	− 70	+41 49 1.13	−18.089	+ 24
387	30 H. Urs. maj.	4.92	A 0	10 19 36.754	+4.3367	− 25	+65 53 9.34	−18.170	− 18
388	[25 Sextantis]	6.10	B 9	10 20 15.427	+3.0321	− 40	− 3 45 18.41	−18.178	− 2
389	μ Hydrae	4.06	K 5	10 23 2.579	+2.9019	− 85	−16 30 50.85	−18.358	− 82
391	*J* Carinae	4.08	F 5	10 23 8.857	+1.1909	− 67	−73 42 37.75	−18.297	− 17
390	31 Leon. min.	4.41	K 0	10 24 14.861	+3.4725	− 96	+37 1 50.58	−18.426	−106
392	Lac. α Antliae	4.42	K 5	10 24 15.987	+2.7443	− 62	−30 44 47.27	−18.310	+ 10
393	*s* Carinae	4.08	F 0	10 25 33.671	+2.1993	− 32	−58 25 2.55	−18.380	− 14
394	36 Ursae maj.	4.84	F 5	10 26 36.566	+3.8456	−216	+56 18 15.66	−18.436	− 33
396	[ρ Leonis]	3.85	B 0 p	10 29 29.751	+3.1597	− 6	+ 9 37 52.95	−18.506	− 5
395	9 H. Dracon.	5.04	G 5	10 29 47.671	+5.1248	− 96	+76 2 18.44	−18.516	− 4
397	[*p* Carinae]	3.58	B 5 p	10 29 46.873	+2.1327	− 18	−61 21 38.89	−18.506	+ 5
399	[44 Hydrae]	5.32	K 2	10 31 1.019	+2.8537	− 2	−23 25 11.97	−18.531	+ 21
398	[37 Ursae maj.]	5.16	F 0	10 31 7.150	+3.8717	+ 83	+57 24 28.08	−18.520	+ 36

Mittlere Sternörter 1937.0

Nr.	Name	Größe	Spektrum	AR. 1937.0	Jährl. Veränderung	Jährl. Eigenbew. in 0.s0001	Dekl. 1937.0	Jährl. Veränderung	Jährl. Eigenbew. in 0."001
		m		h m s	s		° ′ ″	″	
400	*[*p* Velorum]	4.06	F 2 + A 3	10 34 38.810	+2.5166	−183	−47 53 53.31	−18.703	− 33
401	[γ Chamael.]	4.10	M a	10 34 44.483	+0.7199	−116	−78 16 50.22	−18.643	+ 30
402	[*x* Velorum]	4.37	G 0	10 36 47.378	+2.3807	− 75	−55 16 30.01	−18.758	− 21
404	33 Sextantis	6.40	K 0	10 38 11.922	+3.0521	− 94	− 1 24 35.66	−18.906	−125
403	[35 H. Urs. maj.]	5.23	K 0	10 38 35.099	+4.3081	− 19	+69 24 22.91	−18.810	− 18
405	[41 Leon. min.]	5.05	A 2	10 39 59.693	+3.2639	− 80	+23 31 7.91	−18.822	+ 13
406	ϑ Argus	3.03	B 0	10 40 42.294	+2.1386	− 26	−64 3 50.36	−18.852	+ 4
407	42 Leon. min.	5.37	B 9	10 42 22.055	+3.3385	− 15	+31 0 52.90	−18.942	− 37
408	μ Argus	2.84	G 5	10 44 3.184	+2.5763	+ 49	−49 5 13.32	−19.018	− 65
411	[δ² Chamael.]	4.62	B 3	10 45 13.099	+0.5793	−120	−80 12 27.69	−18.977	+ 9
409	*l* Leonis	5.27	A 0	10 45 56.867	+3.1543	− 3	+10 52 44.37	−19.037	− 30
410	[ν Hydrae]	3.32	K 0	10 46 30.910	+2.9600	+ 66	−15 51 48.91	−18.828	+194
412	[46 Leon. min.]	3.92	K 0	10 49 47.695	+3.3581	+ 75	+34 33 17.98	−19.393	−282
414	[ι Antliae]	4.70	K 0	10 53 46.677	+2.7944	+ 62	−36 47 55.66	−19.350	−137
413	[Br 1508]	6.26	G 5	10 54 58.302	+4.8237	−257	+78 6 29.84	−19.269	− 26
415	*i* Velorum	4.56	A 2	10 57 15.565	+2.7510	+ 20	−41 53 15.63	−19.301	− 4
416	β Ursae maj.	2.44	A 0	10 58 3.223	+3.6267	+101	+56 43 13.73	−19.290	+ 26
417	α Ursae maj.	1.95	K 0	10 59 51.425	+3.7101	−174	+62 5 29.27	−19.429	− 72
418	χ Leonis	4.66	F 0	11 1 46.125	+3.0952	−231	+ 7 40 37.25	−19.446	− 45
419	[χ Hydrae]	5.06	F 5	11 2 17.554	+2.8883	−154	−26 57 11.65	−19.418	− 7
420	ψ Ursae maj.	3.15	K 0	11 6 7.809	+3.3768	− 57	+44 50 26.21	−19.528	− 36
421	β Crateris	4.52	A 2	11 8 33.412	+2.9499	0	−22 28 53.37	−19.639	− 98
422	δ Leonis	2.58	A 3	11 10 45.673	+3.1922	+106	+20 52 8.92	−19.719	−136
423	ϑ Leonis	3.41	A 0	11 10 56.182	+3.1489	− 43	+15 46 27.20	−19.668	− 81
424	[Grb 1757]	5.97	K 0	11 13 9.371	+3.3845	− 97	+49 49 12.96	−19.649	− 22
425	ν Ursae maj.	3.71	K 0	11 15 4.902	+3.2433	− 16	+33 26 17.86	−19.638	+ 22
426	δ Crateris	3.82	K 0	11 16 11.340	+2.9988	− 88	−14 26 14.60	−19.478	+200
427	σ Leonis	4.13	A 0	11 17 53.336	+3.0941	− 62	+ 6 22 29.61	−19.718	− 12
428	π Centauri	4.26	B 5	11 18 7.596	+2.7329	− 41	−54 8 43.99	−19.723	− 13
429	Grb 1771	5.98	A 0	11 19 7.767	+3.5729	− 10	+64 40 32.12	−19.691	+ 34
430	[ι Leonis]	4.03	F 5	11 20 38.474	+3.1275	+106	+10 52 34.97	−19.833	− 84
431	[γ Crateris]	4.14	A 5	11 21 43.934	+2.9965	− 72	−17 20 15.55	−19.758	+ 7
432	[58 Ursae maj.]	5.88	F 8	11 27 7.041	+3.2501	− 43	+43 31 8.98	−19.766	+ 72
433	λ Draconis	4.06	M a	11 27 41.229	+3.5722	− 79	+69 40 44.25	−19.866	− 21
434	ξ Hydrae	3.72	G 5	11 29 53.921	+2.9490	−167	−31 30 31.91	−19.914	− 43
435	[*C*² Centauri]	5.42	F 0	11 32 51.857	+2.9033	+ 13	−47 17 31.35	−19.950	− 47
436	λ Centauri	3.34	B 9	11 32 51.881	+2.7618	− 58	−62 40 16.08	−19.920	− 17
437	υ Leonis	4.47	K 0	11 33 43.376	+3.0718	+ 1	− 0 28 33.03	−19.876	+ 36
438	[π Chamael.]	5.74	F 0	11 34 39.163	+2.4728	−280	−75 32 51.46	−19.926	− 5
439	[o Hydrae]	4.88	B 8	11 37 4.783	+2.9787	− 30	−34 23 43.20	−19.943	+ 1

Nr. 400. Doppelstern, Größe der Komponenten: 4.5 und 5.0.

Nr.	Name	Größe	Spektrum	AR. 1937.0	Jährl. Verände-rung	Jährl. Eigen-bew. in 0.s0001	Dekl. 1937.0	Jährl. Verände-rung	Jährl. Eigen-bew. in 0."001
		m		h m s	s		° ′ ″	″	
440	3 Draconis	5.48	K 0	11 38 58.613	+3.3550	− 77	+67 5 37.57	−19.920	+ 40
442	[λ Muscae]	3.80	A 5	11 42 37.291	+2.8262	−153	−66 22 46.20	−19.966	+ 20
441	χ Ursae maj.	3.85	K 0	11 42 43.917	+3.1719	−133	+48 7 43.41	−19.967	+ 20
443	[Centauri 65 G.]	4.22	G 0	11 43 27.377	+2.8978	− 25	−60 49 41.52	−20.026	− 35
444	β Leonis	2.23	A 2	11 45 50.876	+3.0609	−341	+14 55 27.47	−20.123	−118
445	β Virginis	3.80	F 8	11 47 24.814	+3.1252	+494	+ 2 7 11.13	−20.290	−276
446	[*B* Centauri]	4.71	K 0	11 47 59.104	+2.9923	−111	−44 49 23.71	−20.062	− 46
447	γ Ursae maj.	2.54	A 0	11 50 31.584	+3.1599	+107	+54 2 41.88	−20.024	+ 2
448	[ε Chamael.]	5.05	B 9	11 56 28.029	+2.9609	−162	−77 52 15.65	−20.050	− 9
449	[Centauri 88 G.]	5.28	F 0	12 0 23.240	+3.1018	+267	−42 4 52.89	−20.166	−122
450	o Virginis	4.24	G 5	12 2 0.040	+3.0564	−147	+ 9 4 57.86	−20.005	+ 38
451	[Grb 1852]	5.96	K 0	12 2 4.554	+3.0629	+435	+77 15 28.69	−20.139	− 96
452	δ Centauri	2.88	B 3 p	12 5 5.027	+3.1044	− 44	−50 22 17.74	−20.057	− 18
453	ε Corvi	3.21	K 0	12 6 52.852	+3.0844	− 51	−22 16 9.93	−20.024	+ 11
454	4 H. Draconis	5.12	A 5	12 9 16.276	+2.8218	+ 23	+77 57 58.58	−20.004	+ 23
455	[δ Crucis]	3.08	B 3	12 11 47.252	+3.1796	− 51	−58 23 55.42	−20.044	− 27
456	δ Ursae maj.	3.44	A 2	12 12 19.081	+2.9744	+135	+57 22 56.93	−20.012	+ 3
457	[γ Corvi]	2.78	B 8	12 12 33.783	+3.0845	−112	−17 11 32.18	−19.997	+ 17
458	[2 Can. ven.]	5.80	K 5	12 12 58.509	+3.0098	+ 26	+41 0 38.19	−20.057	− 45
459	β Chamael.	4.38	B 5	12 14 36.520	+3.4950	−144	−78 57 45.00	−19.991	+ 12
460	η Virginis	4.00	A 0	12 16 40.918	+3.0694	− 42	− 0 19 0.65	−20.014	− 23
461	[6 Can. ven.]	5.22	K 0	12 22 44.995	+2.9577	− 67	+39 22 4.66	−19.981	− 36
462	α Crucis med.	1.58 2.09	B 1	12 23 5.010	+3.3295	− 44	−62 45 2.10	−19.974	− 31
463	[Hydr. 323 G.]	5.68	A 0	12 23 32.099	+3.1588	− 14	−32 28 52.52	−19.987	− 49
464	[σ Centauri]	4.16	B 3	12 24 37.374	+3.2395	− 36	−49 52 55.30	−19.961	− 33
466	20 Comae	5.72	A 2	12 26 33.500	+3.0155	+ 26	+21 14 40.93	−19.948	− 39
465	δ Corvi	3.11	A 0	12 26 36.089	+3.1034	−145	−16 9 53.64	−20.051	−142
467	[74 Ursae maj.]	5.44	A 5	12 27 1.210	+2.8043	− 96	+58 45 7.74	−19.817	+ 88
468	[γ Crucis]	1.61	M b	12 27 39.476	+3.3211	+ 26	−56 45 38.71	−20.176	−278
469	[γ Muscae]	4.04	B 5	12 28 40.820	+3.5717	− 82	−71 47 7.28	−19.909	− 22
470	8 Can. ven.	4.32	G 0	12 30 45.349	+2.8513	−624	+41 41 57.98	−19.584	+280
472	κ Draconis	3.88	B 5 p	12 30 48.293	+2.5657	−117	+70 8 6.90	−19.855	+ 7
471	β Corvi	2.84	G 5	12 31 4.371	+3.1494	− 4	−23 2 54.98	−19.919	− 59
473	24 Comae seq.	5.18	K 0	12 31 58.284	+3.0102	+ 2	+18 43 25.01	−19.830	+ 18
474	α Muscae	2.94	B 3	12 33 24.370	+3.5676	− 56	−68 47 19.89	−19.863	− 32
475	[χ Virginis]	4.78	K 0	12 35 59.569	+3.0961	− 49	− 7 38 57.34	−19.834	− 37
476	γ Centauri	2.38	A 0	12 38 1.863	+3.3030	−205	−48 36 50.83	−19.788	− 20
477	[γ Virgin. med.]	3.65 3.68	F 0 F 0	12 38 28.004	+3.0398	−375	− 1 6 15.19	−19.757	+ 5
478	76 Ursae maj.	5.92	A 0	12 38 49.277	+2.6253	− 45	+63 3 31.30	−19.774	− 17
479	[Hydr. 330 G.]	5.73	K 2	12 40 38.730	+3.1957	− 26	−27 58 43.12	−19.779	− 50

Mittlere Sternörter 1937.0

Nr.	Name	Größe	Spektrum	AR. 1937.0	Jährl. Veränderung	Jährl. Eigenbew. in 0.s0001	Dekl. 1937.0	Jährl. Veränderung	Jährl. Eigenbew. in 0.″001
		m		h m s	s		° ′ ″	″	
480	[β Muscae]	3.26	B 3	12 42 23.743	+3.6690	— 53	−67 45 49.19	−19.733	— 31
481	β Crucis	1.50	B 1	12 44 1.471	+3.4975	— 59	−59 20 41.07	−19.702	— 27
482	*n* Centauri	4.34	A 5	12 49 56.302	+3.3185	+ 45	−39 50 12.50	−19.607	— 37
483	ε Ursae maj.	1.68	A op	12 51 15.828	+2.6422	+136	+56 18 5.13	−19.555	— 11
484	δ Virginis	3.66	M a	12 52 25.742	+3.0217	−315	+ 3 44 21.58	−19.584	— 63
486	8 Draconis	5.27	F 0	12 52 58.436	+2.3910	— 15	+65 46 47.68	−19.544	— 34
485	12 Can. ven. sq.	2.90	A op	12 53 5.054	+2.8078	−199	+38 39 29.56	−19.458	+ 50
487	[δ Muscae]	3.63	K 2	12 57 54.237	+4.1079	+531	−71 12 34.62	−19.443	— 36
488	ε Virginis	2.95	K 0	12 59 2.447	+2.9865	−185	+11 17 50.44	−19.365	+ 18
489	[ξ^2 Centauri]	4.40	B 3	13 3 13.249	+3.4967	— 35	−49 34 10.08	−19.316	— 30
490	ϑ Virginis	4.44	A 0	13 6 41.142	+3.1055	— 24	— 5 12 11.49	−19.241	— 39
491	[17 Can. ven.]	6.04	F 0	13 7 9.836	+2.7564	— 59	+38 49 59.40	−19.158	+ 32
492	43 Comae	4.32	G 0	13 8 56.121	+2.8006	−602	+28 11 49.30	−18.266	+878
493	[η Muscae]	4.95	B 8	13 10 57.404	+4.0557	— 33	−67 33 41.32	−19.120	— 30
494	[20 Can. ven.]	4.66	F 0	13 14 43.251	+2.6915	−107	+40 54 13.14	−18.980	+ 8
495	γ Hydrae	3.33	G 5	13 15 29.527	+3.2602	+ 51	−22 50 23.32	−19.020	— 53
496	ι Centauri	2.91	A 2	13 17 2.810	+3.3684	−294	−36 22 50.16	−19.014	— 92
497	ζ Urs. maj. pr.	2.40	A 2p	13 21 23.576	+2.4175	+143	+55 15 14.02	−18.818	— 25
498	α Virginis	1.21	B 2	13 21 52.252	+3.1597	— 28	−10 49 59.08	−18.812	— 33
499	Grb 2001	6.07	K 5	13 24 31.517	+1.5281	+ 35	+72 43 5.73	−18.711	— 15
500	69 H. Urs. maj.	5.41	A 0	13 26 8.551	+2.2032	−109	+60 16 14.71	−18.607	+ 37
501	ζ Virginis	3.44	A 2	13 31 28.869	+3.0565	−190	— 0 16 28.22	−18.433	+ 35
502	17 H. Can. ven.	4.96	F 0	13 31 59.124	+2.6788	+ 64	+37 30 16.47	−18.464	— 13
503	[Chamael. 49 G.]	6.44	A 0	13 33 45.394	+5.1033	— 49	−75 21 48.23	−18.404	— 14
505	[Grb 2029]	5.67	K 0	13 35 40.007	+1.4395	— 86	+71 33 45.30	−18.323	0
504	ε Centauri	2.56	B 1	13 35 52.877	+3.7935	— 37	−53 8 49.17	−18.349	— 34
506	[*i* Centauri]	4.36	F 5	13 42 6.009	+3.4059	−371	−32 43 33.40	−18.244	−156
507	τ Bootis	4.51	F 5	13 44 16.092	+2.8508	−340	+17 46 11.88	−17.977	+ 28
509	η Ursae maj.	1.91	B 3	13 45 3.665	+2.3656	−119	+49 37 37.39	−17.995	— 20
508	[μ Centauri]	3.32	B 2p	13 45 48.671	+3.6092	— 28	−42 9 37.89	−17.964	— 19
510	89 Virginis	5.11	K 0	13 46 26.660	+3.2585	— 69	−17 49 15.76	−17.959	— 38
511	[*i* Draconis]	4.77	M a	13 49 35.535	+1.7523	0	+65 2 2.73	−17.798	— 2
512	ζ Centauri	3.06	B 2p	13 51 35.819	+3.7360	— 70	−46 58 45.29	−17.775	— 61
513	η Bootis	2.80	G 0	13 51 41.104	+2.8569	— 41	+18 42 45.98	−18.074	−364
514	[Cent. 294 G.]	4.68	K 0	13 53 4.097	+4.3310	— 46	−63 22 43.54	−17.688	— 35
515	[47 Hydrae]	5.17	B 8	13 54 58.731	+3.3647	— 34	−24 39 56.31	−17.614	— 40
517	11 Bootis	6.12	A 3	13 58 19.147	+2.7212	— 57	+27 41 24.24	−17.423	+ 8
516	τ Virginis	4.34	A 2	13 58 26.319	+3.0530	+ 13	+ 1 50 54.68	−17.456	— 30
518	β Centauri	0.86	B 1	13 59 21.551	+4.2250	— 28	−60 4 13.02	−17.427	— 40
521	α Draconis	3.64	A op	14 2 40.950	+1.6243	— 83	+64 40 35.45	−17.223	+ 16

Nr.	Name	Größe	Spektrum	AR. 1937.0	Jährl. Veränderung	Jährl. Eigenbew. in 0.s0001	Dekl. 1937.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
		m		h m s	s		° ′ ″	″	
519	[π Hydrae]	3.48	K 0	14 2 46.660	+3.4143	+ 30	−26 22 47.56	−17.388	− 153
520	ϑ Centauri	2.26	K 0	14 2 57.963	+3.5265	− 439	−36 3 39.76	−17.758	− 531
522	*d* Bootis	4.82	F 5	14 7 31.596	+2.7369	− 12	+25 23 21.35	−17.089	− 69
524	4 Ursae min.	5.00	K 0	14 9 3.704	−0.2497	− 112	+77 50 36.87	−16.917	+ 32
523	ϰ Virginis	4.31	K 0	14 9 31.906	+3.1994	+ 4	− 9 58 52.97	−16.792	+ 134
525	ι Virginis	4.16	F 5	14 12 42.453	+3.1447	− 13	− 5 42 2.85	−17.207	− 431
526	α Bootis	0.24	K 0	14 12 47.228	+2.7363	− 775	+19 30 34.53	−18.774	−2001
528	[ι Bootis]	4.78	A 5	14 13 56.150	+2.1251	− 159	+51 39 25.75	−16.632	+ 86
527	λ Bootis	4.26	A 0	14 13 59.411	+2.2815	− 177	+46 22 36.57	−16.563	+ 152
529	[υ Centauri]	4.41	B 5	14 15 54.367	+4.1795	− 47	−56 5 51.83	−16.661	− 39
530	[Circini 10 G.]	5.71	A 2 p	14 19 50.899	+4.9557	− 41	−67 54 37.80	−16.462	− 36
531	ϑ Bootis	4.06	F 8	14 23 3.163	+2.0428	− 255	+52 8 28.44	−16.669	− 405
532	[52 Hydrae]	5.00	B 8	14 24 28.590	+3.5106	− 28	−29 12 34.52	−16.222	− 30
533	[φ Virginis]	4.97	K 0	14 24 57.252	+3.0909	− 90	− 1 56 47.49	−16.174	− 7
534	ρ Bootis	3.78	K 0	14 29 6.917	+2.5859	− 76	+30 38 49.48	−15.836	+ 113
535	γ Bootis	3.00	F 0	14 29 32.520	+2.4164	− 93	+38 34 58.68	−15.782	+ 144
536	[Grb 2125]	6.18	F 0	14 30 0.159	+1.6292	− 58	+60 30 9.69	−15.883	+ 18
537	η Centauri	2.65	B 3 p + A 2 p	14 31 29.813	+3.8050	− 36	−41 52 56.10	−15.858	− 36
538	*α Centauri	0.33 1.70	G 0 K 5	14 35 18.289	+4.0697	−4887	−60 34 35.72	−14.908	+ 707
540	[33 Bootis]	5.39	A 0	14 36 29.566	+2.2326	− 67	+44 40 32.27	−15.575	− 26
539	[α Circini]	3.41	F 0	14 37 23.307	+4.8335	− 320	−64 42 8.02	−15.739	− 239
541	[α Lupi]	2.89	B 2	14 37 43.705	+3.9850	− 20	−47 7 9.08	−15.517	− 36
543	ζ Bootis med.	4.83 4.43	A 2	14 38 8.365	+2.8647	+ 37	+13 59 50.94	−15.485	− 27
545	μ Virginis	3.95	F 5	14 39 44.226	+3.1608	+ 69	− 5 23 7.60	−15.696	− 326
544	[c^1 Centauri]	4.13	K 0	14 39 47.748	+3.6655	− 61	−34 54 13.47	−15.564	− 198
542	α Apodis	3.81	K 5	14 39 56.110	+7.3958	− 56	−78 46 47.27	−15.392	− 35
546	[*b* Lupi]	5.20	K 0	14 42 36.074	+4.1895	− 24	−52 7 5.83	−15.300	− 92
547	109 Virginis	3.76	A 0	14 43 3.715	+3.0327	− 75	+ 2 9 25.81	−15.220	− 39
548	α Librae	2.90	A 3	14 47 23.324	+3.3172	− 77	−15 46 52.16	−15.005	− 74
549	Grb 2164	5.67	K 2	14 49 50.290	+1.5216	− 170	+59 32 57.53	−14.658	+ 129
550	β Ursae min.	2.24	K 5	14 50 52.082	−0.1843	− 78	+74 24 46.62	−14.720	+ 7
551	Pi XIV, 221	5.77	A 0	14 53 14.753	+2.8315	− 10	+14 41 58.83	−14.603	− 18
552	β Lupi	2.81	B 2 p	14 54 23.659	+3.9237	− 51	−42 52 54.17	−14.576	− 60
553	[ϰ Centauri]	3.35	B 3	14 55 3.208	+3.8989	− 21	−41 51 10.04	−14.509	− 33
554	[2 H. Urs. min.]	4.86	M b	14 56 34.429	+0.9500	− 147	+66 10 59.11	−14.350	+ 34
555	β Bootis	3.63	G 5	14 59 34.373	+2.2600	− 36	+40 38 16.90	−14.242	− 43
556	γ Scorpii	3.41	M b	15 0 22.625	+3.5094	− 57	−25 2 8.71	−14.205	− 55
557	ψ Bootis	4.67	K 0	15 1 44.749	+2.5708	− 131	+27 11 31.98	−14.080	− 15
558	ζ Lupi	3.50	K 0	15 7 44.701	+4.3031	− 133	−51 51 39.34	−13.759	− 73
559	[ι Librae]	4.66	A 0 p	15 8 37.517	+3.4179	− 32	−19 33 16.73	−13.677	− 47

Nr. 538. Schwerpunkt des Systems. Abstand vom Schwerpunkt nach den Elementen von Lohse in den Publ. d. Astrophys. Obs. Potsdam Nr. 58:

heller Stern: 1937.0 $\Delta\alpha = +0.^{s}151$ $\Delta\delta = -1.''83$

1938.0 $= +0.117$ -2.20

Nr.	Name	Größe	Spektrum	AR. 1937.0	Jährl. Veränderung	Jährl. Eigenbew. in 0.s0001	Dekl. 1937.0	Jährl. Veränderung	Jährl. Eigenbew. in 0."001
		m		h m s			° ' "	"	
562	[3 Serpentis]	5.44	K o	15 12 3.356	+2.9819	− 12	+ 5 10 19.12	−13.415	− 7
561	[β Circini]	4.16	A 3	15 12 33.873	+4.6884	−130	−58 34 3.57	−13.524	− 149
563	δ Bootis	3.54	K o	15 12 57.777	+2.4193	+ 73	+33 32 55.73	−13.471	− 121
560	γ Triang. austr.	3.06	A o	15 12 59.952	+5.5871	−101	−68 26 55.76	−13.384	− 37
564	β Librae	2.74	B 8	15 13 36.823	+3.2276	− 64	− 9 9 6.33	−13.334	− 27
565	1 H. Urs. min.	5.23	G o	15 13 54.470	+0.6862	+387	+67 35 8.29	−13.682	− 395
566	φ^{1} Lupi	3.59	K 5	15 17 48.039	+3.8034	− 82	−36 2 3.60	−13.125	− 95
569	γ Ursae min.	3.14	A 2	15 20 48.802	−0.1009	− 32	+72 3 29.35	−12.813	+ 16
568	μ Bootis	4.47 6.66	F o K o	15 22 6.598	+2.2664	−123	+37 35 49.67	−12.662	+ 80
570	[τ^{1} Serpentis]	5.46	M a	15 22 52.008	+2.7822	− 11	+15 38 53.72	−12.714	− 24
571	ι Draconis	3.47	K o	15 23 31.539	+1.3344	− 5	+59 11 10.27	−12.632	+ 14
567	[$\varkappa^{1}$ Apodis]	5.65	B 5 p	15 24 36.219	+6.5147	+ 6	−73 10 24.86	−12.611	− 37
572	β Coron. bor.	3.72	F op	15 25 13.887	+2.4741	−131	+29 19 18.34	−12.454	+ 76
573	ν^{1} Bootis	5.15	K 5	15 28 39.957	+2.1551	+ 10	+41 2 48.71	−12.307	− 13
576	[ϑ Coron. bor.]	4.17	B 5	15 30 23.311	+2.4190	− 17	+31 34 13.99	−12.201	− 26
574	[ε Triang. austr.]	4.11	K o	15 30 55.717	+5.4765	+ 29	−66 6 26.85	−12.219	− 82
575	γ Lupi	2.95	B 3	15 30 55.987	+3.9935	− 26	−40 57 23.90	−12.177	− 39
577	γ Librae	4.02	K o	15 31 59.905	+3.3550	+ 43	−14 34 50.72	−12.060	+ 3
578	α Coron. bor.	2.31	A o	15 32 1.196	+2.5402	+ 93	+26 55 32.03	−12.159	− 98
579	[3 H. Scorpii]	3.78	K 2	15 33 11.623	+3.6398	− 11	−27 55 40.67	−11.990	− 11
580	[φ Bootis]	5.41	G 5	15 35 33.837	+2.1549	+ 58	+40 33 27.15	−11.760	+ 52
581	[γ Coron. bor.]	3.93	A o	15 40 5.813	+2.5199	− 74	+26 29 38.29	−11.456	+ 34
582	α Serpentis	2.75	K o	15 41 9.787	+2.9546	+ 91	+ 6 37 21.24	−11.371	+ 42
583	β Serpentis	3.74	A 2	15 43 16.751	+2.7691	+ 51	+15 37 3.71	−11.315	− 54
587	[12 H. Dracon.]	5.13	A 2	15 45 42.062	+0.9129	+ 55	+62 47 37.61	−11.146	− 61
584	κ Serpentis	4.28	K 5	15 45 54.193	+2.7007	− 31	+18 20 5.41	−11.168	− 98
590	ζ Ursae min.	4.34	A 2	15 46 15.925	−2.1625	+ 60	+77 59 21.14	−11.044	− 1
585	μ Serpentis	3.63	A o	15 46 19.790	+3.1302	− 59	− 3 14 19.75	−11.071	− 32
586	[χ Lupi]	4.11	B 9	15 46 56.912	+3.8093	− 15	−33 26 12.17	−11.024	− 30
588	ε Serpentis	3.75	A 2	15 47 40.421	+2.9900	+ 84	+ 4 39 57.78	−10.881	+ 60
589	β Triang. austr.	3.04	F o	15 49 34.385	+5.2774	−278	−63 14 18.18	−11.209	− 407
591	[γ Serpentis]	3.86	F 5	15 53 32.505	+2.7710	+213	+15 51 57.15	−11.801	−1294
593	ε Coron. bor.	4.22	K o	15 54 58.687	+2.4834	− 61	+27 3 32.83	−10.468	− 68
592	[π Scorpii]	3.00	B 2	15 55 2.110	+3.6272	− 15	−25 56 4.00	−10.433	− 37
595	[Grb 2296]	4.96	A 5	15 56 17.546	+1.4217	−187	+54 55 37.65	−10.191	+ 110
594	δ Scorpii	2.54	B o	15 56 36.239	+3.5461	− 8	−22 26 38.70	−10.314	− 36
598	ϑ Draconis	4.11	F 8	16 0 42.362	+1.1236	−403	+58 43 58.90	− 9.629	+ 339
597	β Scorpii	2.90 5.06	B 1	16 1 46.175	+3.4870	− 7	−19 38 4.57	− 9.915	− 27
596	[δ Normae]	4.84	A 3 p	16 2 1.780	+4.2358	− 5	−45 0 15.64	− 9.862	+ 6
599	[ϑ Lupi]	4.33	B 3	16 2 26.867	+3.9359	− 29	−36 37 57.06	− 9.877	− 41

Nr.	Name	Größe	Spektrum	AR. 1937.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s0001	Dekl. 1937.0	Jährl. Veränderung	Jährl. Eigenbew. in 0"001
601	[φ Herculis]	4m26	B 9p	16h 6m 47s026	+1s8902	− 23	+45° 5′ 56″85	−9″473	+ 31
600	[ϰ Normae]	5.09	K o	16 8 29.717	+4.7230	− 42	−54 28 12.00	−9.437	− 65
602	[δ Triang. austr.]	4.03	G o	16 9 41.200	+5.4522	+ 8	−63 31 37.37	−9.306	− 26
603	δ Ophiuchi	3.03	M a	16 11 2.510	+3.1434	− 30	− 3 32 0.95	−9.324	−150
606	19 Ursae min.	5.51	B 8	16 12 35.628	−1.7220	− 4	+76 2 12.95	−9.041	+ 12
605	ε Ophiuchi	3.34	K o	16 14 59.120	+3.1735	+ 53	− 4 32 25.74	−8.835	+ 31
604	γ² Normae	4.14	K o	16 15 6.897	+4.4828	−190	−50 0 10.53	−8.918	− 61
607	[σ Scorpii]	3.08	B 1	16 17 21.279	+3.6449	− 11	−25 26 36.24	−8.713	− 33
608	τ Herculis	3.91	B 5	16 17 50.760	+1.8033	− 9	+46 27 44.89	−8.609	+ 32
609	γ Herculis	3.79	F o	16 19 8.374	+2.6460	− 36	+19 17 59.34	−8.499	+ 40
612	[η Ursae min.]	5.04	F o	16 19 19.263	−1.7642	−220	+75 54 4.75	−8.269	+256
610	[ζ Triang. austr.]	4.93	G o	16 21 39.832	+6.4382	+366	−69 56 43.17	−8.255	+ 84
613	[ω Herculis]	4.53	A op	16 22 30.426	+2.7684	+ 28	+14 10 36.75	−8.340	− 68
614	[Grb 2343]	5.66	A 2	16 23 2.561	+1.3122	+ 19	+55 20 51.69	−8.211	+ 18
615	η Draconis	2.89	G 5	16 23 8.001	+0.8110	− 28	+61 39 23.18	−8.161	+ 61
611	γ Apodis	3.90	K o	16 23 43.523	+9.1736	−384	−78 45 34.26	−8.246	− 72
616	α Scorpii	1.22	M a + A 3	16 25 32.431	+3.6773	− 7	−26 17 38.13	−8.058	− 28
618	β Herculis	2.81	K o	16 27 30.640	+2.5789	− 69	+21 37 32.14	−7.892	− 21
617	[λ Ophiuchi	3.85	A o	16 27 44.041	+3.0252	− 23	+ 2 7 12.67	−7.943	− 90
619	*A* Draconis	4.98	B 8p	16 28 5.804	−0.1211	− 51	+68 54 16.14	−7.789	+ 35
620	[τ Scorpii]	2.91	B o	16 31 57.366	+3.7331	− 11	−28 5 13.65	−7.545	− 33
621	σ Herculis	4.25	A o	16 32 4.285	+1.9343	− 6	+42 33 57.45	−7.464	+ 38
623	[Grb 2373]	6.39	G 5	16 33 19.382	−2.5948	−323	+77 34 22.96	−7.127	+274
622	ζ Ophiuchi	2.70	B o	16 33 41.243	+3.3029	+ 9	−10 26 27.80	−7.349	+ 22
624	[24 Scorpii]	5.04	K o	16 37 55.572	+3.4687	− 18	−17 37 18.58	−7.028	− 3
626	η Herculis	3.61	K o	16 40 44.135	+2.0570	+ 35	+39 2 27.99	−6.879	− 84
625	α Triang. austr.	1.88	K 2	16 41 58.440	+6.3430	+ 33	−68 54 54.06	−6.742	− 49
627	Grb 2377	4.88	F o	16 44 5.998	+1.1379	+ 28	+56 53 37.57	−6.459	+ 58
628	ε Scorpii	2.36	K o	16 46 4.659	+3.8836	−501	−34 10 50.23	−6.609	−256
629	49 Herculis	6.41	A op	16 49 12.697	+2.7313	+ 12	+15 4 42.51	−6.099	− 6
630	ζ² Scorpii	3.75	K 5	16 50 8.579	+4.2177	−133	−42 15 19.37	−6.253	−238
631	ζ Arae	3.06	K 5	16 53 23.886	+4.9605	− 30	−55 53 34.70	−5.791	− 48
632	[ε¹ Arae]	4.15	K 2	16 54 33.202	+4.7766	− 19	−53 3 57.83	−5.654	− 8
633	ϰ Ophiuchi	3.42	K o	16 54 41.096	+2.8392	−198	+ 9 28 17.54	−5.649	− 13
634	ε Herculis	3.92	A o	16 57 52.712	+2.2954	− 35	+31 1 4.81	−5.343	+ 24
635	[60 Herculis]	4.91	A 3	17 2 27.336	+2.7817	+ 34	+12 49 33.30	−4.995	− 15
636	[Grb 2415]	6.27	A 2	17 5 43.380	+1.9569	− 29	+40 35 50.93	−4.731	− 28
637	η Ophiuchi	2.63	A 2	17 6 45.754	+3.4396	+ 23	−15 38 54.97	−4.524	+ 90
638	[η Scorpii]	3.44	F 2	17 7 38.189	+4.2952	+ 17	−43 9 29.53	−4.838	−298
639	ζ Draconis	3.22	B 5	17 8 36.017	+0.1724	− 29	+65 47 31.65	−4.436	+ 22

Mittlere Sternörter 1937.0

Nr.	Name	Größe	Spektrum	AR. 1937.0	Jährl. Veränderung	Jährl. Eigenbew. in 0.s0001	Dekl. 1937.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
		m		h m s	s		° ' "	"	
640	α Herculis	3.48 5.39	M b	17 11 46.423	+2.7352	− 8	+14 27 38.52	−4.158	+ 29
641	δ Herculis	3.16	A 2	17 12 26.590	+2.4643	− 15	+24 54 44.14	−4.288	−159
643	π Herculis	3.36	K 5	17 12 51.127	+2.0896	− 21	+36 52 44.73	−4.093	+ 1
642	[ι Apodis]	5.60	B 8	17 15 3.407	+6.6844	− 14	−70 3 36.39	−3.932	− 27
644	ϑ Ophiuchi	3.37	B 3	17 18 8.265	+3.6834	− 7	−24 56 18.36	−3.666	− 25
645	β Arae	2.80	K 2	17 20 3.437	+4.9845	− 14	−55 28 22.11	−3.517	− 42
647	[27 H. Ophiuchi]	4.61	F 0	17 23 17.257	+3.1834	− 58	− 5 1 57.18	−3.248	− 51
646	[*d* Ophiuchi]	4.37	F 5	17 23 19.701	+3.8295	+ 6	−29 48 42.73	−3.338	−145
650	[*x* Herculis]	5.81	A 2	17 25 4.004	+1.5902	+ 2	+48 18 42.80	−3.062	− 19
648	δ Arae	3.79	B 8	17 25 24.382	+5.4137	− 70	−60 38 1.48	−3.115	−101
649	[υ Scorpii]	2.80	B 3	17 26 28.516	+4.0758	− 24	−37 14 51.22	−2.961	− 39
651	α Arae	2.97	B 3 p	17 26 58.044	+4.6356	− 38	−49 49 43.09	−2.973	− 94
653	β Draconis	2.99	G 0	17 29 0.498	+1.3555	− 15	+52 20 50.17	−2.693	+ 10
652	λ Scorpii	1.71	B 2	17 29 19.613	+4.0718	− 14	−37 3 35.17	−2.707	− 32
655	[ν^1 Draconis]	4.98	A 5	17 30 56.088	+1.1816	+176	+55 13 35.84	−2.484	+ 51
657	[ν^2 Draconis]	4.95	A 5	17 31 1.524	+1.1828	+181	+55 12 54.72	−2.475	+ 52
656	α Ophiuchi	2.14	A 5	17 32 0.534	+2.7844	+ 80	+12 36 15.87	−2.675	−233
659	[*f* Draconis]	5.21	K 0	17 32 12.728	−0.2425	− 33	+68 10 30.97	−2.290	+134
654	ϑ Scorpii	2.04	F 0	17 32 47.278	+4.3086	0	−42 57 35.83	−2.392	− 18
658	ξ Serpentis	3.64	A 5	17 33 58.641	+3.4343	− 34	−15 21 38.27	−2.336	− 65
664	ω Draconis	4.87	F 5	17 37 19.040	−0.3520	+ 9	+68 47 14.13	−1.657	+323
663	ι Herculis	3.79	B 3	17 37 41.137	+1.6935	− 5	+46 2 19.81	−1.952	− 4
660	[ϰ Scorpii]	2.51	B 2	17 38 7.584	+4.1487	− 15	−38 59 57.93	−1.936	− 26
662	[μ Arae]	5.26	G 5	17 39 8.324	+4.7614	− 28	−51 48 10.28	−2.030	−208
661	η Pavonis	3.58	K 0	17 39 32.639	+5.8859	− 22	−64 41 46.72	−1.843	− 56
665	β Ophiuchi	2.94	K 0	17 40 21.560	+2.9633	− 28	+ 4 35 31.32	−1.563	+153
670	ψ Draconis	4.90 6.07	F 5	17 43 3.238	−1.0694	+ 32	+72 10 49.05	−1.748	−267
666	[ι^1 Scorpii]	3.14	F 5 p	17 43 10.518	+4.1944	− 10	−40 6 16.07	−1.473	− 3
667	μ Herculis	3.48	G 5	17 43 59.488	+2.3475	−240	+27 45 22.67	−2.150	−751
668	[γ Ophiuchi]	3.74	A 0	17 44 43.972	+3.0079	− 16	+ 2 43 45.94	−1.411	− 77
669	[*G* Scorpii]	3.25	K 2	17 45 34.086	+4.0830	+ 41	−37 1 30.70	−1.235	+ 26
675	35 Draconis	5.04	F 5	17 52 15.971	−2.6879	+110	+76 58 20.72	−0.435	+241
671	ξ Draconis	3.90	K 0	17 52 26.349	+1.0377	+120	+56 52 55.09	−0.584	+ 77
672	ϑ Herculis	3.99	K 0	17 54 5.511	+2.0574	+ 4	+37 15 28.08	−0.512	+ 5
676	γ Draconis	2.42	K 5	17 55 8.555	+1.3929	− 9	+51 29 43.97	−0.447	− 22
674	[ξ Herculis]	3.82	K 0	17 55 18.974	+2.3314	+ 66	+29 15 12.06	−0.435	− 25
673	ν Ophiuchi	3.50	K 0	17 55 33.434	+3.3023	− 7	− 9 46 2.94	−0.506	−118
677	67 Ophiuchi	3.92	B 5 p	17 57 29.348	+3.0046	0	+ 2 55 58.98	−0.233	− 13
679	γ Sagittarii	3.07	K 0	18 1 45.572	+3.8531	− 47	−30 25 36.49	−0.040	−194
678	[Apodis 66 G.]	5.69	K 5	18 2 26.517	+8.3870	− 42	−75 53 47.27	−0.056	−270

Nr.	Name	Größe	Spektrum	AR. 1937.0	Jährl. Veränderung	Jährl. Eigenbew. in 0ˢ.0001	Dekl. 1937.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
		m		h m s	s		° ′ ″	″	
680	72 Ophiuchi	3.73	A 3	18 4 21.734	+2.8440	− 42	+ 9 33 12.36	+0.460	+ 78
681	o Herculis	3.83	A 0	18 5 5.071	+2.3403	+ 2	+28 45 9.01	+0.445	0
682	μ Sagittarii	4.01	B 8 p	18 9 59.699	+3.5873	− 3	−21 4 37.68	+0.871	− 3
683	[η Sagittarii]	3.16	M b	18 13 21.784	+4.0586	− 117	−36 46 56.88	+1.005	−163
685	[36 Draconis]	5.03	F 5	18 13 32.039	+0.3452	+ 533	+64 22 32.56	+1.214	+ 31
684	[Grb 2533]	5.42	B 5	18 13 41.151	+1.8656	− 6	+42 8 12.43	+1.189	− 7
687	[δ Sagittarii]	2.84	K 0	18 16 57.635	+3.8407	+ 27	−29 51 24.26	+1.450	− 32
686	[ξ Pavonis]	4.25	K 2	18 17 25.195	+5.5269	− 26	−61 31 29.12	+1.539	+ 17
688	η Serpentis	3.42	K 0	18 18 2.954	+3.1037	− 372	− 2 55 0.29	+0.878	−699
689	ε Sagittarii	1.95	A 0	18 19 59.411	+3.9821	− 30	−34 24 58.56	+1.619	−127
690	109 Herculis	3.92	K 0	18 21 0.770	+2.5564	+ 140	+21 44 22.56	+1.578	−257
693	[φ Draconis]	4.24	A 0 p	18 21 39.772	−0.8599	− 17	+71 18 16.66	+1.925	+ 33
695	χ Draconis	3.69	F 8	18 22 11.657	−1.0815	+1172	+72 42 21.51	+1.577	−361
691	α Telescopii	3.76	B 3	18 22 18.133	+4.4483	− 21	−46 0 18.33	+1.900	− 48
694	*b* Draconis	4.85	A 2	18 22 59.451	+0.8763	− 45	+58 45 49.24	+2.066	+ 58
692	[λ Sagittarii]	2.94	K 0	18 24 4.933	+3.7020	− 37	−25 27 29.95	+1.915	−188
696	[2 H. Scuti]	4.73	A 3	18 25 36.381	+3.4189	− 3	−14 36 27.12	+2.237	+ 2
697	[ϑ Coron. austr.]	4.69	G 5	18 29 0.221	+4.2832	+ 15	−42 21 35.63	+2.506	− 24
700	[Grb 2655]	5.84	K 0	18 32 48.208	−2.8933	− 10	+77 29 57.27	+2.856	− 3
699	α Lyrae	0.14	A 0	18 34 48.310	+2.0315	+ 176	+38 43 26.19	+3.314	+281
698	ζ Pavonis	4.10	K 0	18 35 40.940	+7.0127	− 23	−71 29 7.97	+2.931	−178
701	[Grb 2640]	6.00	A 3	18 36 1.454	+0.1879	+ 18	+65 25 55.91	+3.222	+ 84
702	[5 H. Scuti]	5.09	G 5	18 40 5.392	+3.2672	+ 13	− 8 20 20.40	+3.498	+ 9
703	110 Herculis	4.26	F 5	18 42 56.983	+2.5814	− 12	+20 29 4.75	+3.394	−340
704	λ Pavonis	4.42	B 2	18 46 23.041	+5.5597	− 25	−62 15 44.65	+4.001	− 28
705	*β Lyrae	var.	B 8 p +B 2 p	18 47 45.220	+2.2150	+ 3	+33 17 18.50	+4.145	− 2
707	o Draconis	4.78	K 0	18 50 16.391	+0.8860	+ 105	+59 18 39.12	+4.386	+ 25
706	σ Sagittarii	2.14	B 3	18 51 21.556	+3.7195	+ 4	−26 22 36.67	+4.391	− 63
709	ϑ Serpent. pr.	4.50	A 5	18 53 5.247	+2.9822	+ 29	+ 4 7 12.29	+4.629	+ 28
711	**R* Lyrae	var.	M b	18 53 25.112	+1.8263	+ 28	+43 51 43.51	+4.706	+ 76
708	λ Telescopii	5.03	B 9	18 53 25.547	+4.8001	+ 3	−53 1 22.50	+4.645	+ 14
710	[ξ Sagittarii]	3.61	K 0	18 53 58.315	+3.5785	+ 18	−21 11 28.38	+4.661	− 16
714	[υ Draconis]	4.91	K 0	18 55 10.590	−0.7315	+ 103	+71 12 47.84	+4.820	+ 41
713	γ Lyrae	3.30	A 0 p	18 56 35.179	+2.2439	− 4	+32 36 7.14	+4.897	− 2
712	[ε Aquilae]	4.21	K 0	18 56 45.738	+2.7221	− 42	+14 58 52.68	+4.834	− 80
715	[ζ Sagittarii]	2.71	A 2	18 58 36.241	+3.8165	− 21	−29 58 18.90	+5.072	+ 2
716	ζ Aquilae	3.02	A 0	19 2 30.840	+2.7570	− 7	+13 46 6.17	+5.299	−101
717	λ Aquilae	3.55	B 9	19 2 54.340	+3.1835	− 16	− 4 58 42.64	+5.346	− 87
719	[ι Lyrae]	5.13	B 5	19 5 3.199	+2.1408	− 3	+36 0 1.15	+5.610	− 3
718	α Coron. austr.	4.12	A 2	19 5 11.242	+4.0812	+ 60	−38 0 16.61	+5.515	−109

Nr. 705. Größe: Max. 3.4, Min. 4.1. Nr. 711. Größe: Max. 4.0, Min. 4.7, Größe in Harvard 50 = 4.32.

Nr.	Name	Größe	Spektrum	AR. 1937.0	Jährl. Veränderung	Jährl. Eigenbew. in 0.s0001	Dekl. 1937.0	Jährl. Veränderung	Jährl. Eigenbew. in 0."001
		m		h m s	s		° ' "	"	
720	π Sagittarii	3.02	F 2	19 6 1.073	+3.5675	− 5	−21 7 31.62	+ 5.659	− 35
721	[Pavonis 60 G.]	5.57	A 2	19 10 52.683	+6.0381	− 7	−66 46 21.08	+ 6.080	− 21
723	δ Draconis	3.24	K o	19 12 32.752	+0.0163	+ 166	+67 33 2.33	+ 6.327	+ 88
722	[*d* Sagittarii]	5.03	K o	19 13 56.989	+3.5098	− 12	−19 3 59.72	+ 6.347	− 9
724	ϑ Lyrae	4.46	K o	19 14 10.837	+2.0818	− 7	+38 1 13.59	+ 6.374	− 1
725	ω Aquilae	5.14	A 5	19 14 51.546	+2.8157	− 3	+11 28 49.54	+ 6.444	+ 13
726	ϰ Cygni	3.98	K o	19 15 38.863	+1.3870	+ 69	+53 15 5.26	+ 6.616	+ 120
729	τ Draconis	4.63	K o	19 16 46.552	−1.1498	− 327	+73 14 20.68	+ 6.699	+ 109
727	[υ Sagittarii]	4.58	B 8 p + F 2 p	19 18 7.221	+3.4360	0	−16 4 29.21	+ 6.699	− 2
728	α Sagittarii	4.11	B 8	19 19 31.429	+4.1571	+ 18	−40 44 10.54	+ 6.698	− 118
730	δ Aquilae	3.44	F o	19 22 19.314	+3.0245	+ 167	+ 2 59 15.81	+ 7.127	+ 82
731	[Sagittar. 186 G.]	5.68	B 9	19 22 57.702	+3.7915	+ 7	−29 52 10.17	+ 7.051	− 47
734	[Grb 2900]	6.00	A 2	19 25 32.552	−3.6164	+ 97	+79 28 41.39	+ 7.274	− 35
733	ι Cygni	3.94	A 2	19 28 7.088	+1.5127	+ 22	+51 35 41.05	+ 7.643	+ 125
732	*β Cygni	3.24	K o + A o	19 28 10.805	+2.4191	− 2	+27 49 34.09	+ 7.516	− 8
735	[ι Telescopii]	5.02	K o	19 30 32.721	+4.4501	− 41	−48 14 12.83	+ 7.675	− 40
736	*h* Sagittarii	4.66	B 9	19 32 52.510	+3.6509	+ 46	−25 1 27.48	+ 7.880	− 22
737	[ϰ Aquilae]	5.04	B o	19 33 30.191	+3.2276	+ 3	− 7 10 8.27	+ 7.953	0
738	ϑ Cygni	4.64	F 5	19 34 45.098	+1.6080	− 29	+50 4 27.34	+ 8.300	+ 247
740	[15 Cygni]	5.02	K o	19 42 0.241	+2.1634	+ 59	+37 12 4.23	+ 8.665	+ 36
739	[ν Telescopii]	5.52	A 5	19 42 52.968	+4.9016	+ 86	−56 30 57.60	+ 8.562	− 136
742	δ Cygni	2.97	A o	19 43 0.377	+1.8756	+ 51	+44 58 33.56	+ 8.748	+ 40
741	γ Aquilae	2.80	K 2	19 43 15.861	+2.8519	+ 9	+10 27 30.44	+ 8.729	0
743	δ Sagittae	3.78	M a + A o	19 44 34.702	+2.6749	+ 4	+18 22 39.54	+ 8.845	+ 13
744	[51 Aquilae]	5.55	F o	19 47 18.901	+3.3011	− 21	−10 55 28.86	+ 9.088	+ 41
745	α Aquilae	0.89	A 5	19 47 42.554	+2.9267	+ 359	+ 8 42 2.21	+ 9.461	+ 384
747	ε Draconis	3.99	K o	19 48 23.777	−0.1988	+ 156	+70 6 26.72	+ 9.160	+ 30
746	*[η Aquilae]	var.	G o p	19 49 15.854	+3.0562	+ 6	+ 0 50 33.17	+ 9.189	− 9
749	β Aquilae	3.90	K o	19 52 13.106	+2.9464	+ 25	+ 6 14 53.18	+ 8.947	− 480
748	ε Pavonis	4.10	A o	19 53 20.231	+6.9540	+ 148	−73 4 46.31	+ 9.381	− 132
750	ψ Cygni	4.80	A 3	19 54 0.086	+1.5510	− 43	+52 16 15.41	+ 9.533	− 31
751	ϑ¹ Sagittarii	4.39	B 3	19 55 38.301	+3.9046	− 12	−35 26 54.22	+ 9.654	− 36
752	γ Sagittae	3.71	K 5	19 55 57.287	+2.6675	+ 43	+19 19 11.41	+ 9.738	+ 24
753	[*c* Sagittarii]	4.60	M b	19 58 47.217	+3.6894	+ 21	−27 53 11.53	+ 9.948	+ 18
754	δ Pavonis	3.64	G 5	20 2 33.829	+5.8942	+1965	−66 20 42.79	+ 9.057	−1159
755	[ξ Telescopii]	4.86	M a	20 2 33.910	+4.5978	− 44	−53 3 47.22	+10.214	− 2
756	ϑ Aquilae	3.37	A o	20 8 3.288	+3.0951	+ 22	− 1 0 34.81	+10.631	+ 6
759	ϰ Cephei	4.40	B 9	20 11 2.720	−2.0040	+ 12	+77 31 21.22	+10.873	+ 27
757	o¹ Cygni sq.	3.95	K o + B 8	20 11 38.864	+1.8892	+ 4	+46 32 57.76	+10.892	+ 1
758	[33 Cygni]	4.32	A 3	20 11 56.067	+1.3950	+ 74	+56 22 27.90	+10.997	+ 85

Nr. 732. Größe und Spektrum beziehen sich auf die hellere Komponente. Die entsprechenden Werte für die schwächere Komponente sind 5.36 und B 9. Nr. 746. Größe: Max. 3.7, Min. 4.5.

Nr.	Name	Größe	Spektrum	AR. 1937.0	Jährl. Veränderung	Jährl. Eigenbew. in 0^{s}0001	Dekl. 1937.0	Jährl. Veränderung	Jährl. Eigenbew. in 0$''$001
		m		h m s	s		° ′ ″	″	
760	24 Vulpeculae	5.45	K 0	20 14 5.323	+2.5671	+ 12	+24 28 33.19	+11.050	− 19
761	α^2 Capricorni	3.77	G 5	20 14 33.643	+3.3286	+ 40	−12 44 28.99	+11.115	+ 11
762	[β Capricorni]	3.25	G 0 + A 0	20 17 28.391	+3.3705	+ 23	−14 58 54.02	+11.321	+ 6
763	[$\varkappa^1$ Sagittarii]	5.64	A 0	20 18 11.255	+4.0765	+ 37	−42 14 59.33	+11.270	− 96
765	γ Cygni	2.32	F 8p	20 19 57.997	+2.1531	+ 4	+40 3 14.80	+11.494	0
764	α Pavonis	2.12	B 3	20 20 40.567	+4.7522	+ 11	−56 56 19.19	+11.460	− 85
766	[ρ Capricorni]	4.96	F 0	20 25 16.152	+3.4220	− 14	−18 1 23.61	+11.855	− 16
767	ϑ Cephei	4.28	A 5	20 28 31.678	+1.0080	+ 63	+62 46 54.81	+12.086	− 14
768	ε Delphini	3.98	B 5	20 30 12.185	+2.8659	+ 5	+11 5 16.49	+12.191	− 25
770	73 Draconis	5.18	A 2p	20 32 21.709	−0.7801	+ 16	+74 44 20.58	+12.353	− 12
769	α Indi	3.21	K 0	20 33 8.546	+4.2215	+ 33	−47 30 46.11	+12.479	+ 60
771	β Delphini	3.72	F 5	20 34 35.673	+2.8130	+ 74	+14 22 29.32	+12.482	− 36
772	[ϰ Delphini]	5.23	G 5	20 36 4.168	+2.9137	+ 212	+ 9 51 47.22	+12.637	+ 18
773	υ Capricorni	5.33	M a	20 36 27.950	+3.4154	− 17	−18 21 42.36	+12.629	− 16
774	α Delphini	3.86	B 8	20 36 42.706	+2.7865	+ 45	+15 41 18.99	+12.656	− 6
777	α Cygni	1.33	A 2p	20 39 17.016	+2.0452	+ 4	+45 3 15.61	+12.835	− 1
775	β Pavonis	3.60	A 5	20 39 18.316	+5.4184	− 71	−66 25 53.87	+12.839	+ 1
776	[η Indi]	4.70	F 0	20 39 25.314	+4.4087	+ 157	−52 8 52.13	+12.772	− 73
778	[δ Delphini]	4.53	A 5	20 40 31.056	+2.8008	− 14	+14 50 50.56	+12.871	− 48
779	[ψ Capricorni]	4.26	F 8	20 42 22.123	+3.5526	− 44	−25 29 55.26	+12.885	− 157
780	ε Cygni	2.64	K 0	20 43 39.693	+2.4277	+ 290	+33 43 59.99	+13.455	+ 328
782	[6 H. Cephei]	4.63	G 0	20 43 47.336	+1.4891	− 86	+57 21 10.94	+12.901	− 235
783	η Cephei	3.59	K 0	20 44 0.685	+1.2214	+ 130	+61 35 36.89	+13.969	+ 819
781	ε Aquarii	3.83	A 0	20 44 16.018	+3.2475	+ 17	− 9 43 39.14	+13.140	− 28
784	λ Cygni	4.47	B 5	20 44 57.215	+2.3366	+ 5	+36 15 30.25	+13.213	0
785	β Indi	3.72	K 0	20 49 53.928	+4.6936	0	−58 41 36.39	+13.508	− 27
786	32 Vulpeculae	5.24	K 5	20 51 52.455	+2.5568	− 4	+27 49 1.45	+13.663	+ 1
788	ν Cygni	4.04	A 0	20 54 49.408	+2.2365	+ 9	+40 55 25.28	+13.832	− 17
787	[α Octantis]	5.24	F 2	20 57 9.143	+7.3048	− 11	−77 15 58.36	+13.640	− 355
789	[11 Aquarii]	6.26	G 0	20 57 14.840	+3.1586	+ 23	− 4 58 29.07	+13.869	− 133
790	ζ Microscopii	5.35	F 0	20 58 56.722	+3.8348	− 36	−38 52 44.24	+13.986	− 122
792	[ξ Cygni]	3.92	K 5	21 2 38.320	+2.1825	+ 12	+43 40 32.20	+14.333	− 3
791	[A Capricorni]	4.60	M a	21 3 26.744	+3.5091	− 30	−25 15 32.30	+14.338	− 47
793	61 Cygni pr.	5.57	K 5	21 4 4.250	+2.6871	+3506	+38 26 19.30	+17.681	+3258
794	ν Aquarii	4.52	K 0	21 6 9.875	+3.2684	+ 62	−11 37 40.26	+14.540	− 9
795	Br 2777	5.90	B 9	21 6 47.701	−1.1840	+ 74	+77 52 16.92	+14.623	+ 36
798	[Grb 3415]	5.65	B 2	21 10 12.047	+1.5273	− 6	+59 43 36.94	+14.788	− 2
797	ζ Cygni	3.40	K 0	21 10 15.226	+2.5530	− 1	+29 58 3.26	+14.734	− 59
796	[Indi 23 G.]	5.84	A 5	21 11 16.297	+4.2849	− 19	−53 31 32.28	+14.807	− 46
799	[τ Cygni]	3.82	F 0	21 12 16.501	+2.3946	+ 136	+37 46 32.51	+15.347	+ 436

Mittlere Sternörter 1937.0

Nr.	Name	Größe	Spektrum	AR. 1937.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1937.0	Jährl. Veränderung	Jährl. Eigenbew. in 0″.001
		m		h m s			° ′ ″	″	
800	α Equulei	4.14	F 8 +A 3	21 12 40.506	+2.9990	+ 38	+ 4 59 10.75	+14.848	— 87
801	[4 Pisc. austr.]	4.79	A 0	21 14 7.339	+3.6389	+ 35	−32 26 13.21	+14.993	— 26
802	[ϑ¹ Microscop.]	4.92	A 2 p	21 16 44.341	+3.8414	+ 70	−41 4 36.53	+15.184	+ 14
803	α Cephei	2.60	A 5	21 17 4.625	+1.4323	+ 213	+62 19 5.34	+15.238	+ 50
804	1 Pegasi	4.24	K 0	21 19 10.334	+2.7743	+ 74	+19 32 2.27	+15.369	+ 61
805	γ Pavonis	4.30	F 8	21 21 15.474	+4.9714	+ 127	−65 39 10.46	+16.213	+ 788
806	ζ Capricorni	3.86	G 5 p	21 23 4.429	+3.4261	— 1	−22 41 7.27	+15.549	+ 23
807	[g Cygni]	5.34	K 0	21 27 7.392	+2.2139	+ 48	+46 15 43.29	+15.850	+ 103
809	β Cephei	3.32	B 1	21 27 51.322	+0.7775	+ 20	+70 17 1.99	+15.794	+ 7
808	β Aquarii	3.07	G 0	21 28 14.619	+3.1583	+ 11	— 5 50 57.46	+15.803	— 5
811	74 Cygni	5.09	A 5	21 34 25.317	+2.4043	— 3	+40 7 47.01	+16.146	+ 12
810	ν Octantis	3.74	K 0	21 34 32.627	+6.7117	+ 135	−77 40 18.39	+15.884	— 256
812	[γ Capricorni]	3.80	F 0 p	21 36 36.199	+3.3246	+ 131	−16 56 51.98	+16.231	— 16
813	[13 H. Cephei]	5.64	O e 5	21 37 0.339	+1.8622	+ 7	+57 12 13.05	+16.269	+ 2
817	[11 Cephei]	4.85	K 0	21 41 0.349	+0.8819	+ 234	+71 1 15.83	+16.567	+ 98
815	ε Pegasi	2.54	K 0	21 41 5.490	+2.9463	+ 18	+ 9 35 6.85	+16.473	0
814	[ι Pisc. austr.]	4.35	A 0	21 41 11.928	+3.5748	+ 18	−33 18 51.05	+16.389	— 89
816	[κ Pegasi]	4.27	F 5	21 41 47.452	+2.7164	+ 25	+25 21 16.63	+16.518	+ 10
818	[λ Capricorni]	5.43	A 0	21 43 8.769	+3.2300	+ 20	−11 39 26.49	+16.571	— 4
819	δ Capricorni	2.98	A 5	21 43 33.959	+3.3116	+ 178	−16 24 50.79	+16.302	— 293
821	π² Cygni	4.26	B 3	21 44 27.837	+2.2163	+ 8	+49 1 2.39	+16.636	— 4
820	[ο Indi]	5.50	K 2	21 45 29.216	+5.0893	— 86	−69 55 26.93	+16.669	— 21
822	γ Gruis	3.16	B 8	21 50 7.171	+3.6344	+ 77	−37 39 43.76	+16.892	— 18
823	16 Pegasi	5.05	B 3	21 50 11.651	+2.7295	+ 4	+25 37 40.69	+16.915	+ 1
824	[δ Indi]	4.56	F 0	21 53 38.540	+4.0879	+ 43	−55 17 36.58	+17.045	— 29
826	[20 Pegasi]	5.66	F 2	21 58 1.149	+2.9223	+ 36	+12 49 2.32	+17.217	— 54
825	[ε Indi]	4.74	K 5	21 58 33.339	+4.5957	+4808	−57 2 46.30	+14.722	−2573
827	α Aquarii	3.19	G 0	22 2 32.921	+3.0811	+ 10	— 0 37 36.10	+17.462	— 7
828	ι Aquarii	4.35	B 8	22 3 2.211	+3.2403	+ 24	−14 10 33.90	+17.438	— 51
830	20 Cephei	5.39	K 5	22 3 5.533	+1.8230	+ 22	+62 28 40.18	+17.552	+ 60
831	[ι Pegasi]	3.96	F 5	22 4 4.586	+2.7925	+ 219	+25 2 11.86	+17.556	+ 22
829	α Gruis	2.16	B 5	22 4 16.285	+3.7846	+ 119	−47 16 2.33	+17.371	— 171
832	[μ Pisc. austr.]	4.62	A 2	22 4 42.671	+3.5002	+ 41	−33 17 48.80	+17.520	— 41
833	[27 Pegasi]	5.65	K 0	22 6 26.038	+2.6583	— 42	+32 51 50.08	+17.568	— 65
834	ϑ Pegasi	3.70	A 2	22 7 1.314	+3.0262	+ 184	+ 5 53 13.80	+17.688	+ 31
835	π Pegasi	4.38	F 5	22 7 11.231	+2.6641	— 9	+32 52 6.32	+17.645	— 19
837	24 Cephei	4.99	G 5	22 8 36.018	+1.1537	+ 54	+72 1 50.24	+17.730	+ 8
836	ζ Cephei	3.62	K 0	22 8 39.920	+2.0802	+ 14	+57 53 24.61	+17.731	+ 6
838	[λ Pisc. austr.]	5.40	B 9	22 10 44.774	+3.4018	+ 16	−28 4 48.06	+17.808	— 1
839	[ε Octantis]	5.11	M b	22 13 4.042	+6.7795	+ 137	−80 45 16.99	+17.861	— 40

Nr.	Name	Größe	Spektrum	AR. 1937.0	Jährl. Verände-rung	Jährl. Eigen-bew. in 0.s0001	Dekl. 1937.0	Jährl. Verände-rung	Jährl. Eigen-bew. in 0."001
		m		h m s	s		° ' "	"	
840	ϑ Aquarii	4.32	K o	22 13 30.645	+3.1659	+ 76	− 8 5 51.76	+17.900	− 19
841	α Tucanae	2.91	K 2	22 14 12.156	+4.1184	− 98	−60 34 28.63	+17.897	− 49
842	γ Aquarii	3.97	A o	22 18 24.167	+3.0984	+ 83	− 1 42 20.00	+18.113	+ 7
843	[31 Pegasi]	4.93	B 3 p	22 18 24.949	+2.9523	− 1	+11 53 13.56	+18.116	+ 9
844	3 Lacertae	4.58	K o	22 21 4.728	+2.3583	− 15	+51 54 46.08	+18.015	−191
845	[ν Gruis]	5.48	K o	22 24 57.998	+3.5185	+ 24	−39 27 4.61	+18.183	−162
846	[δ¹ Gruis]	4.02	G 5	22 25 30.673	+3.5885	+ 17	−43 49 5.63	+18.356	− 8
847	*δ Cephei	var.	verän.	22 26 49.654	+2.2260	+ 17	+58 5 32.07	+18.412	+ 2
848	7 Lacertae	3.85	A o	22 28 41.528	+2.4709	+ 147	+49 57 28.99	+18.491	+ 17
849	[υ Aquarii]	5.29	F 5	22 31 15.058	+3.2825	+ 155	−21 1 53.71	+18.416	−144
850	η Aquarii	4.13	B 8	22 32 7.171	+3.0828	+ 59	− 0 26 34.30	+18.533	− 55
851	[31 Cephei]	5.22	F o	22 34 12.737	+1.4813	+ 384	+73 18 56.99	+18.679	+ 23
853	[30 Cephei]	5.21	A 2	22 36 24.721	+2.1272	+ 1	+63 15 23.70	+18.704	− 22
852	10 Lacertae	4.91	Oe 5	22 36 25.867	+2.6914	+ 4	+38 43 18.62	+18.720	− 6
854	[ε Pisc. austr.]	4.22	B 8	22 37 10.468	+3.3188	+ 12	−27 22 21.94	+18.751	+ 2
855	ζ Pegasi	3.61	B 8	22 38 19.149	+2.9919	+ 53	+10 30 6.79	+18.771	− 13
856	β Gruis	2.24	M b	22 38 54.748	+3.5850	+ 117	−47 12 53.89	+18.777	− 25
857	η Pegasi	3.10	G o	22 40 2.772	+2.8117	+ 12	+29 53 28.00	+18.803	− 33
858	[13 Lacertae]	5.24	K o	22 41 16.659	+2.6744	− 6	+41 29 17.27	+18.878	+ 5
859	λ Pegasi	4.14	K o	22 43 29.656	+2.8891	+ 41	+23 14 0.90	+18.927	− 10
860	ε Gruis	3.69	A 2	22 44 45.471	+3.6272	+ 96	−51 38 55.74	+18.900	− 73
861	[τ Aquarii]	4.21	K 5	22 46 15.488	+3.1766	− 12	−13 55 32.25	+18.982	− 33
862	[μ Pegasi]	3.67	K o	22 46 57.615	+2.8952	+ 109	+24 16 6.39	+18.994	− 41
863	ι Cephei	3.68	K o	22 47 25.887	+2.1328	− 114	+65 52 7.37	+18.925	−123
864	λ Aquarii	3.84	M a	22 49 19.731	+3.1299	+ 5	− 7 54 55.28	+19.136	+ 38
865	ρ Indi	6.14	G o	22 50 18.157	+4.1873	− 101	−70 24 39.46	+19.186	+ 62
866	δ Aquarii	3.51	A 2	22 51 18.516	+3.1840	− 33	−16 9 22.71	+19.131	− 19
867	α Pisc. austr.	1.29	A 3	22 54 10.374	+3.3159	+ 247	−29 57 23.58	+19.064	−159
868	[ζ Gruis]	4.18	G 5	22 57 10.227	+3.5467	− 80	−53 5 33.06	+19.280	− 16
869	ο Androm.	3.63	B 5 + A 2 p	22 59 1.083	+2.7592	+ 25	+41 59 12.74	+19.326	− 13
870	β Pegasi	2.61	M a	23 0 43.032	+2.9078	+ 145	+27 44 26.31	+19.514	+138
871	α Pegasi	2.57	A o	23 1 37.248	+2.9878	+ 41	+14 51 57.11	+19.356	− 41
872	ϑ Gruis	4.35	F 5	23 3 20.175	+3.3821	− 52	−43 51 40.90	+19.396	− 38
874	π Cephei	4.56	G 5	23 5 53.282	+1.9055	+ 29	+75 2 48.29	+19.462	− 25
873	c² Aquarii	3.80	K o	23 6 5.390	+3.1990	+ 32	−21 30 53.07	+19.528	+ 36
875	Br 3077	5.65	K 2	23 10 14.468	+2.8863	+2535	+56 49 12.72	+19.869	+296
876	[Tucanae 25 G.]	5.69	G o	23 13 11.205	+3.6133	+ 231	−62 20 43.24	+19.574	− 53
877	γ Tucanae	4.10	F 2	23 13 45.780	+3.5054	− 59	−58 34 53.31	+19.719	+ 82
878	[γ Piscium]	3.85	K o	23 13 53.923	+3.1096	+ 503	+ 2 56 15.62	+19.658	+ 18
879	γ Sculptoris	4.51	K o	23 15 25.574	+3.2409	+ 10	−32 52 32.07	+19.598	− 68

Nr. 847. Größe: Max. 3.7, Min. 4.6; Spektrum wechselt von F 5 bis G o.

Mittlere Sternörter 1937.0

Nr.	Name	Größe	Spektrum	AR. 1937.0	Jährl. Veränderung	Jährl. Eigenbew. in 0.s0001	Dekl. 1937.0	Jährl. Veränderung	Jährl. Eigenbew. in 0."001
		m		h m s	s		° ' "	"	
880	τ Pegasi	4.65	A 5	23 17 30.948	+2.9686	+ 21	+23 23 42.34	+19.687	− 13
882	4 Cassiopeiae	5.20	K 5	23 22 1.798	+2.6614	+ 17	+61 56 12.07	+19.759	− 10
881	[υ Pegasi]	4.57	G 0	23 22 13.922	+2.9935	+138	+23 3 25.05	+19.808	+ 35
883	[ο Gruis]	5.54	F 0	23 23 5.368	+3.3577	− 4	−53 4 14.66	+19.903	+119
884	κ Piscium	4.94	A 2 p	23 23 42.156	+3.0753	+ 56	+ 0 54 37.61	+19.700	− 93
885	70 Pegasi	4.67	K 0	23 25 57.992	+3.0333	+ 38	+12 24 45.65	+19.851	+ 28
886	[β Sculptoris]	4.46	B 9	23 29 35.843	+3.2185	+ 65	−38 10 1.48	+19.882	+ 14
887	[72 Pegasi]	5.21	K 2	23 30 49.408	+2.9752	+ 40	+30 58 38.81	+19.869	− 12
888	[Aquarii 248 G.]	6.51	K 0	23 32 17.111	+3.0947	− 5	− 7 48 47.77	+19.921	+ 23
889	[Phoenicis 11 G.]	4.86	A 2	23 34 27.805	+3.2307	+ 47	−45 50 29.65	+19.882	− 37
890	[λ Androm.]	4.00	K 0	23 34 28.423	+2.9342	+156	+46 6 59.74	+19.497	−423
891	ι Androm.	4.28	B 8	23 35 2.421	+2.9406	+ 27	+42 55 8.53	+19.920	− 5
892	ι Piscium	4.28	F 8	23 36 42.518	+3.0852	+247	+ 5 17 4.38	+19.500	−440
893	γ Cephei	3.42	K 0	23 36 44.726	+2.4548	−185	+77 16 50.59	+20.098	+157
894	ω² Aquarii	4.62	A 0	23 39 27.398	+3.1113	+ 65	−14 53 36.21	+19.901	− 63
895	41 H. Cephei	5.02	A 0	23 44 53.072	+2.8631	+ 23	+67 27 24.13	+20.001	+ 1
896	Lac. δ Sculpt.	4.64	A 0	23 45 38.820	+3.1255	+ 71	−28 28 43.82	+19.900	−105
897	[Aquarii 268 G.]	6.08	K 0	23 46 59.681	+3.0954	+ 86	−10 19 33.02	+20.098	+ 86
898	φ Pegasi	5.23	M a	23 49 16.785	+3.0510	− 8	+18 46 12.87	+19.983	− 39
899	[ρ Cassiopeiae]	4.85	F 8 p	23 51 13.522	+2.9931	− 7	+57 8 55.98	+20.033	+ 4
900	[27 Piscium]	5.07	K 0	23 55 26.847	+3.0711	− 37	− 3 54 19.94	+19.971	− 68
901	[π Phoenicis]	5.14	K 0	23 55 40.185	+3.1096	+ 30	−53 5 53.08	+20.086	+ 46
902	ω Piscium	4.03	F 5	23 56 4.480	+3.0804	+100	+ 6 30 52.23	+19.931	−109
903	ε Tucanae	4.71	B 9	23 56 39.273	+3.1231	+ 64	−65 55 40.02	+20.009	− 33
904	[ϑ Octantis]	4.73	K 0	23 58 22.850	+3.0936	−218	−77 24 48.76	+19.873	−171

Von den Sternen, deren Namen eingeklammert sind, folgen keine Ephemeriden.

Nördliche Polsterne

Nr.	Name	Größe	Spektrum	AR. 1937.0	Jährl. Veränderung	Jährl. Eigenbew. in 0ˢ.001	Dekl. 1937.0	Jährl. Veränderung	Jährl. Eigenbew. in 0″.001
		m		h m s	s		° ′ ″	″	
Na	43 H. Cephei	4.52	K 0	0 59 45.62	+ 7.979	+ 76	+85 55 13.04	+19.364	− 2
Nb	α Ursae min.	2.12	F 8	1 40 47.80	+34.690	+158	+88 57 50.12	+18.136	0
Nc	*Grb 750	6.70	F 8	4 15 58.55	+17.972	+ 17	+85 23 10.82	+ 8.820	+ 32
Nd	51 H. Cephei	5.26	M a	7 11 41.89	+28.556	− 52	+87 8 58.40	− 6.203	− 34
Ne	1 H. Dracon.	4.58	K 2	9 28 15.88	+ 8.635	− 6	+81 36 26.51	−15.829	− 20
Nf	30 H. Camel.	5.34	F 2	10 23 34.35	+ 7.397	− 46	+82 52 50.32	−18.264	+ 31
Ng	ε Ursae min.	4.40	G 5	16 52 21.18	− 6.185	+ 7	+82 8 38.23	− 5.824	+ 6
Nh	δ Ursae min.	4.44	A 0	17 52 31.51	−19.475	+ 15	+86 36 45.15	− 0.596	+ 57
Ni	λ Ursae min.	6.55	M b	18 37 58.97	−75.813	−100	+89 2 29.89	+ 3.312	+ 6
Nk	76 Draconis	5.69	A 0	20 47 16.18	− 4.276	+ 16	+82 17 58.72	+13.392	+ 27

Nr. Nc. Größe aus Harvard 54 entnommen.

Südliche Polsterne

Nr.	Name	Größe	Spektrum	AR. 1937.0	Jährl. Veränderung	Jährl. Eigenbew. in 0ˢ.001	Dekl. 1937.0	Jährl. Veränderung	Jährl. Eigenbew. in 0″.001
		m		h m s	s		° ′ ″	″	
Sa	Octantis 4 G.	5.63	K 0	1 40 49.92	− 3.531	+ 18	−85 5 18.31	+18.169	+ 34
Sb	ξ Mensae	5.85	K 0	5 5 58.23	− 6.877	− 4	−82 33 27.68	+ 4.696	+ 14
Sc	ζ Octantis	5.38	F 0	9 6 12.83	− 8.476	− 94	−85 24 49.02	−14.502	+ 50
Sd	ι Octantis	5.38	K 0	12 48 8.79	+ 6.167	+ 43	−84 46 54.38	−19.578	+ 25
Se	Octantis 20 G.	6.52	A 2	14 55 11.86	+28.066	−184	−87 53 46.42	−14.537	− 71
Sf	Octantis 26 G.	6.13	A 0	16 36 59.86	+22.180	+ 5	−86 15 26.12	− 7.104	− 2
Sg	χ Octantis	5.22	K 0	18 18 5.57	+35.578	− 82	−87 39 33.17	+ 1.451	−130
Sh	σ Octantis	5.48	F 0	19 57 33.75	+84.157	+106	−89 10 34.62	+ 9.838	+ 2
Si	β Octantis	4.34	F 0	22 39 44.31	+ 6.194	− 26	−81 42 46.40	+18.830	+ 2
Sk	τ Octantis	5.56	K 0	23 19 23.39	+ 9.306	+ 20	−87 49 43.95	+19.745	+ 15

Scheinbare Sternörter 1937

Tag		1) α Andromedae AR.		1) α Andromedae Dekl.		2) β Cassiopeiae AR.		2) β Cassiopeiae Dekl.	
1937		$0^h\ 5^m$		$+28°\ 44'$		$0^h\ 5^m$		$+58°\ 48'$	
Jan.	0	$8^s.518$	137	$49''.03$	94	$49^s.101$	306	$31''.86$	75
	10	8.381	131	48.09	119	48.795	294	31.11	127
	20	8.250	119	46.90	140	48.501	269	29.84	173
	30	8.131	101	45.50	154	48.232	233	28.11	212
Febr.	9	8.030	76	43.96	164	47.999	184	25.99	243
	19	7.954	45	42.32	164	47.815	123	23.56	264
März	1	7.909	8	40.68	158	47.692	55	20.92	274
	11	7.901	33	39.10	143	47.637	20	18.18	271
	21	7.934	78	37.67	121	47.657	100	15.47	257
	31	8.012	125	36.46	94	47.757	180	12.90	235
Apr.	10	8.137	171	35.52	60	47.937	256	10.55	201
	20	8.308	216	34.92	24	48.193	328	8.54	160
	30	8.524	255	34.68	15	48.521	391	6.94	114
Mai	10	8.779	290	34.83	55	48.912	442	5.80	63
	20	9.069	316	35.38	93	49.354	481	5.17	11
	30	9.385	335	36.31	129	49.835	507	5.06	42
Juni	9	9.720	345	37.60	161	50.342	519	5.48	94
	19	10.065	345	39.21	190	50.861	518	6.42	142
	29	10.410	337	41.11	212	51.379	502	7.84	188
Juli	9	10.747	321	43.23	230	51.881	475	9.72	229
	19	11.068	297	45.53	243	52.356	438	12.01	262
	29	11.365	266	47.96	249	52.794	390	14.63	292
Aug.	8	11.631	230	50.45	249	53.184	337	17.55	314
	18	11.861	192	52.94	245	53.521	277	20.69	329
	28	12.053	151	55.39	236	53.798	215	23.98	337
Sept.	7	12.204	110	57.75	222	54.013	150	27.35	340
	17	[22] 12.314	69	59.97	205	[23] 54.163	87	30.75	334
	26	12.383	31	62.02	185	54.250	24	34.09	322
Okt.	6	12.414	4	63.87	161	54.274	36	37.31	303
	16	12.410	35	65.48	136	54.238	91	40.34	278
	26	12.375	64	66.84	108	54.147	143	43.12	246
Nov.	5	12.311	87	67.92	78	54.004	189	45.58	208
	15	12.224	106	68.70	48	53.815	229	47.66	166
	25	12.118	121	69.18	16	53.586	262	49.32	117
Dez.	5	11.997	133	69.34	16	53.324	288	50.49	65
	15	11.864	139	69.18	48	53.036	305	51.14	12
	25	11.725	141	68.70	78	52.731	311	51.26	44
	35	11.584		67.92		52.420		50.82	
Mittl. Ort		7.592		33.56		48.192		8.30	
sec δ, tg δ		1.141		+0.548		1.931		+1.651	
a, *a′*		+3.1		+20.0		+3.1		+20.0	
b, *b′*		+0.04		— 0.02		+0.11		— 0.03	

Tag		3) ε Phoenicis AR.		3) ε Phoenicis Dekl.		7) γ Pegasi AR.		7) γ Pegasi Dekl.	
1937		$0^h\ 6^m$		$-46°\ 5'$		$0^h\ 9^m$		$+14°\ 49'$	
Jan.	0	$13^s.744$	204	$51''.47$	35	$60^s.271$	116	$70''.60$	85
	10	13.540	187	51.12	80	60.155	110	69.75	95
	20	13.353	166	50.32	125	60.045	101	68.80	103
	30	13.187	140	49.07	165	59.944	86	67.77	106
Febr.	9	13.047	107	47.42	201	59.858	65	66.71	103
	19	12.940	70	45.41	233	59.793	39	65.68	96
März	1	12.870	28	43.08	261	59.754	7	64.72	83
	11	12.842	19	40.47	282	59.747	29	63.89	64
	21	12.861	67	37.65	298	59.776	69	63.25	41
	31	12.928	119	34.67	308	59.845	111	62.84	15
Apr.	10	13.047	171	31.59	312	59.956	153	62.69	16
	20	13.218	220	28.47	309	60.109	194	62.85	48
	30	13.438	268	25.38	299	60.303	231	63.33	78
Mai	10	13.706	310	22.39	283	60.534	264	64.11	110
	20	14.016	346	19.56	261	60.798	290	65.21	138
	30	14.362	373	16.95	232	61.088	308	66.59	162
Juni	9	14.735	391	14.63	197	61.396	319	68.21	183
	19	15.126	399	12.66	158	61.715	322	70.04	199
	29	15.525	396	11.08	115	62.037	316	72.03	209
Juli	9	15.921	382	9.93	68	62.353	302	74.12	214
	19	16.303	359	9.25	19	62.655	281	76.26	214
	29	16.662	324	9.06	28	62.936	254	78.40	209
Aug.	8	16.986	283	9.34	74	63.190	221	80.49	199
	18	17.269	233	10.08	118	63.411	185	82.48	185
	28	17.502	180	11.26	157	63.596	148	84.33	168
Sept.	7	17.682	123	12.83	189	63.744	109	86.01	149
	17	[23] 17.805	66	14.72	213	[24] 63.853	72	87.50	127
	26	17.871	9	16.85	229	63.925	36	88.77	105
Okt.	6	17.880	43	19.14	236	63.961	3	89.82	82
	16	17.837	90	21.50	232	63.964	25	90.64	59
	26	17.747	130	23.82	220	63.939	51	91.23	37
Nov.	5	17.617	164	26.02	197	63.888	72	91.60	15
	15	17.453	190	27.99	166	63.816	89	91.75	6
	25	17.263	206	29.65	130	63.727	101	91.69	26
Dez.	5	17.057	215	30.95	89	63.626	112	91.43	45
	15	16.842	218	31.84	43	63.514	118	90.98	62
	25	16.624	212	32.27	4	63.396	120	90.36	79
	35	16.412		32.23		63.276		89.57	
Mittl. Ort		13.040		42.88		59.325		59.82	
sec δ, tg δ		1.442		−1.039		1.035		+0.265	
a, *a′*		+3.0		+20.0		+3.1		+20.0	
b, *b′*		−0.07		— 0.03		+0.02		— 0.04	

Obere Kulmination Greenwich

Tag	9) ι Ceti AR.		9) ι Ceti Dekl.		10) ζ Tucanae AR.		10) ζ Tucanae Dekl.		11) β Hydri AR.		11) β Hydri Dekl.		12) α Phoenicis AR.		12) α Phoenicis Dekl.	
1937	0h 16m		−9° 9′		0h 16m		−65° 14′		0h 22m		−77° 35′		0h 23m		−42° 38′	
	s		″		s		″		s		″		s		″	
Jan. 0	14.010	113	80.92	56	48.47	41	54.75	79	28.35	91	105.94	101	11.201	193	61.86	8
10	13.897	108	81.48	41	48.06	38	53.96	135	27.44	85	104.93	161	11.008	183	61.78	53
20	13.789	99	81.89	25	47.68	35	52.61	187	26.59	78	103.32	214	10.825	167	61.25	96
30	13.690	85	82.14	6	47.33	29	50.74	233	25.81	68	101.18	263	10.658	146	60.29	137
Febr. 9	13.605	65	82.20	14	47.04	24	48.41	274	25.13	56	98.55	302	10.512	118	58.92	176
19	13.540	41	82.06	35	46.80	18	45.67	307	24.57	43	95.53	335	10.394	85	57.16	208
März 1	13.499	12	81.71	57	46.62	11	42.60	334	24.14	28	92.18	359	10.309	47	55.08	239
11	13.487	21	81.14	81	46.51	3	39.26	353	23.86	14	88.59	376	10.262	5	52.69	263
21	13.508	58	80.33	105	46.48	5	35.73	364	23.72	2	84.83	382	10.257	43	50.06	282
31	13.566	98	79.28	128	46.53	13	32.09	367	23.74	17	81.01	382	10.300	92	47.24	296
Apr. 10	13.664	138	78.00	150	46.66	22	28.42	363	23.91	32	77.19	373	10.392	142	44.28	304
20	13.802	178	76.50	170	46.88	29	24.79	351	24.23	47	73.46	356	10.534	192	41.24	305
30	13.980	215	74.80	187	47.17	37	21.28	332	24.70	62	69.90	332	10.726	238	38.19	300
Mai 10	14.195	247	72.93	200	47.54	43	17.96	304	25.32	74	66.58	300	10.964	282	35.19	289
20	14.442	276	70.93	209	47.97	49	14.92	272	26.06	85	63.58	261	11.246	319	32.30	270
30	14.718	296	68.84	212	48.46	54	12.20	231	26.91	94	60.97	217	11.565	347	29.60	245
Juni 9	15.014	309	66.72	210	49.00	58	9.89	186	27.85	101	58.80	168	11.912	369	27.15	214
19	15.323	315	64.62	202	49.58	59	8.03	136	28.86	105	57.12	114	12.281	379	25.01	178
29	15.638	311	62.60	190	50.17	59	6.67	82	29.91	106	55.98	57	12.660	380	23.23	137
Juli 9	15.949	299	60.70	172	50.76	58	5.85	28	30.97	104	55.41	0	13.040	370	21.86	92
19	16.248	281	58.98	150	51.34	55	5.57	28	32.01	100	55.41	57	13.410	351	20.94	46
29	16.529	256	57.48	125	51.89	50	5.85	82	33.01	92	55.98	113	13.761	321	20.48	2
Aug. 8	16.785	225	56.23	98	52.39	45	6.67	134	33.93	81	57.11	165	14.082	285	20.50	49
18	17.010	189	55.25	67	52.84	37	8.01	180	34.74	68	58.76	212	14.367	242	20.99	94
28	17.199	152	54.58	38	53.21	28	9.81	221	35.42	53	60.88	251	14.609	192	21.93	135
Sept. 7	17.351	114	54.20	9	53.49	20	12.02	253	35.95	35	63.39	282	14.801	140	23.28	170
17	17.465	75	54.11	17	53.69	10	14.55	275	36.30	17	66.21	301	14.941	87	24.98	198
26*)	[25] 17.540	38	54.28	41	[25] 53.79	0	17.30	287	[27] 36.47	1	69.22	311	[27] 15.028	34	26.96	218
Okt. 6	17.578	5	54.69	60	53.79	8	20.17	288	36.46	20	72.33	306	15.062	14	29.14	230
16	17.583	25	55.29	76	53.71	17	23.05	277	36.26	38	75.39	291	15.048	61	31.44	230
26	17.558	51	56.05	87	53.54	26	25.82	254	35.88	54	78.30	264	14.987	100	33.74	223
Nov. 5	17.507	72	56.92	92	53.28	31	28.36	222	35.34	68	80.94	226	14.887	134	35.97	205
15	17.435	89	57.84	95	52.97	36	30.58	179	34.66	79	83.20	178	14.753	160	38.02	179
25	17.346	103	58.79	92	52.61	40	32.37	130	33.87	87	84.98	124	14.593	180	39.81	147
Dez. 5	17.243	111	59.71	86	52.21	43	33.67	75	33.00	93	86.22	64	14.413	193	41.28	109
15	17.132	116	60.57	77	51.78	43	34.42	18	32.07	94	86.86	2	14.220	200	42.37	66
25	17.016	117	61.34	66	51.35	42	34.60	40	31.13	93	86.88	62	14.020	199	43.03	22
35	16.899		62.00		50.93		34.20		30.20		86.26		13.821		43.25	
Mittl. Ort	13.075		83.18		47.96		42.56		28.32		92.56		10.365		53.84	
sec δ, tg δ	1.013		−0.161		2.388		−2.169		4.660		−4.552		1.360		−0.921	
a, *a′*	+3.1		+20.0		+2.9		+20.0		+2.5		+19.9		+2.9		+19.9	
b, *b′*	−0.01		−0.07		−0.14		−0.07		−0.30		−0.10		−0.06		−0.10	

*) Bei Stern 11) und 12) lies Sept. 27.

Scheinbare Sternörter 1937

Tag	13) 12 Ceti AR.		Dekl.	
1937	$0^h\ 26^m$		$-4°\ 17'$	
Jan. 0	$50^s.428$	113	$75''.11$	64
10	50.315	110	75.75	55
20	50.205	103	76.30	42
30	50.102	90	76.72	28
Febr. 9	50.012	73	77.00	11
19	49.939	50	77.11	7
März 1	49.889	22	77.04	28
11	49.867	11	76.76	51
21	49.878	49	76.25	75
31	49.927	88	75.50	98
Apr. 10	50.015	128	74.52	123
20	50.143	170	73.29	145
30	50.313	207	71.84	165
Mai 10	50.520	240	70.19	182
20	50.760	270	68.37	196
30	51.030	292	66.41	203
Juni 9	51.322	305	64.38	206
19	51.627	313	62.32	203
29	51.940	310	60.29	196
Juli 9	52.250	301	58.33	183
19	52.551	283	56.50	166
29	52.834	260	54.84	144
Aug. 8	53.094	230	53.40	120
18	53.324	197	52.20	93
28	53.521	160	51.27	66
Sept. 7	53.681	124	50.61	38
17	53.805	86	50.23	11
27	53.891	50	50.12	12
Okt. 6	[28] 53.941	17	50.24	33
16	53.958	13	50.57	51
26	53.945	38	51.08	65
Nov. 5	53.907	62	51.73	74
15	53.845	79	52.47	80
25	53.766	94	53.27	83
Dez. 5	53.672	104	54.10	81
15	53.568	112	54.91	78
25	53.456	115	55.69	72
35	53.341		56.41	
Mittl. Ort	49.419		78.97	
sec δ, tg δ	1.003		− 0.075	
a, a′	+3.1		+19.9	
b, b′	0.00		− 0.12	

Tag	17) ζ Cassiopeiae AR.		Dekl.	
1937	$0^h\ 33^m$		$+53°\ 32'$	
Jan. 0	$28^s.245$	255	$83''.89$	50
10	27.990	255	83.39	98
20	27.735	242	82.41	143
30	27.493	219	80.98	181
Febr. 9	27.274	185	79.17	214
19	27.089	138	77.03	235
März 1	26.951	83	74.68	247
11	26.868	20	72.21	249
21	26.848	49	69.72	241
31	26.897	119	67.31	221
Apr. 10	27.016	189	65.10	193
20	27.205	257	63.17	158
30	27.462	317	61.59	117
Mai 10	27.779	370	60.42	70
20	28.149	412	59.72	22
30	28.561	443	59.50	27
Juni 9	29.004	462	59.77	75
19	29.466	468	60.52	122
29	29.934	463	61.74	164
Juli 9	30.397	445	63.38	203
19	30.842	419	65.41	237
29	31.261	383	67.78	265
Aug. 8	31.644	341	70.43	287
18	31.985	292	73.30	302
28	32.277	240	76.32	312
Sept. 7	32.517	185	79.44	315
17	32.702	131	82.59	312
27	32.833	77	85.71	303
Okt. 6	[30] 32.910	24	88.74	287
16	32.934	26	91.61	267
26	32.908	73	94.28	239
Nov. 5	32.835	117	96.67	206
15	32.718	155	98.73	168
25	32.563	190	100.41	126
Dez. 5	32.373	219	101.67	79
15	32.154	242	102.46	29
25	31.912	255	102.75	20
35	31.657		102.55	
Mittl. Ort	26.974		61.58	
sec δ, tg δ	1.683		+ 1.354	
a, a′	+3.3		+19.8	
b, b′	+0.09		− 0.15	

Tag	18) π Andromedae AR.		Dekl.	
1937	$0^h\ 33^m$		$+33°\ 22'$	
Jan. 0	$31^s.779$	152	$38''.83$	71
10	31.627	153	38.12	102
20	31.474	146	37.10	128
30	31.328	131	35.82	150
Febr. 9	31.197	109	34.32	165
19	31.088	79	32.67	173
März 1	31.009	43	30.94	172
11	30.966	1	29.22	164
21	30.965	48	27.58	147
31	31.013	97	26.11	125
Apr. 10	31.110	147	24.86	95
20	31.257	197	23.91	60
30	31.454	242	23.31	24
Mai 10	31.696	282	23.07	17
20	31.978	315	23.24	56
30	32.293	339	23.80	93
Juni 9	32.632	354	24.73	130
19	32.986	360	26.03	162
29	33.346	356	27.65	190
Juli 9	33.702	345	29.55	213
19	34.047	324	31.68	232
29	34.371	297	34.00	242
Aug. 8	34.668	265	36.42	250
18	34.933	227	38.92	251
28	35.160	188	41.43	247
Sept. 7	35.348	147	43.90	238
17	35.495	107	46.28	226
27	35.602	66	48.54	209
Okt. 6	[30] 35.668	29	50.63	189
16	35.697	5	52.52	165
26	35.692	37	54.17	140
Nov. 5	35.655	66	55.57	112
15	35.589	90	56.69	81
25	35.499	113	57.50	48
Dez. 5	35.386	130	57.98	15
15	35.256	144	58.13	20
25	35.112	153	57.93	53
35	34.959		57.40	
Mittl. Ort	30.613		22.06	
sec δ, tg δ	1.197		+ 0.659	
a, a′	+3.2		+19.8	
b, b′	+0.04		− 0.15	

Tag	20) δ Andromedae AR.		Dekl.	
1937	$0^h\ 35^m$		$+30°\ 30'$	
Jan. 0	$58^s.378$	144	$75''.51$	72
10	58.234	145	74.79	99
20	58.089	139	73.80	124
30	57.950	126	72.56	142
Febr. 9	57.824	105	71.14	154
19	57.719	77	69.60	161
März 1	57.642	43	67.99	158
11	57.599	1	66.41	150
21	57.598	44	64.91	133
31	57.642	93	63.58	109
Apr. 10	57.735	142	62.49	80
20	57.877	190	61.69	47
30	58.067	234	61.22	11
Mai 10	58.301	274	61.11	28
20	58.575	305	61.39	65
30	58.880	330	62.04	101
Juni 9	59.210	346	63.05	135
19	59.556	352	64.40	165
29	59.908	349	66.05	191
Juli 9	60.257	338	67.96	211
19	60.595	319	70.07	226
29	60.914	292	72.33	236
Aug. 8	61.206	261	74.69	241
18	61.467	226	77.10	240
28	61.693	187	79.50	234
Sept. 7	61.880	147	81.84	224
17	62.027	107	84.08	211
27	62.134	70	86.19	193
Okt. 6	[30] 62.204	32	88.12	173
16	62.236	1	89.85	150
26	62.235	32	91.35	125
Nov. 5	62.203	59	92.60	97
15	62.144	84	93.57	69
25	62.060	105	94.26	39
Dez. 5	61.955	122	94.65	7
15	61.833	136	94.72	24
25	61.697	145	94.48	56
35	61.552		93.92	
Mittl. Ort	57.204		59.66	
sec δ, tg δ	1.161		+ 0.589	
a, a′	+3.2		+19.8	
b, b′	+0.04		− 0.16	

Obere Kulmination Greenwich

Tag	21) α Cassiopeiae AR.		21) α Cassiopeiae Dekl.		22) β Ceti AR.		22) β Ceti Dekl.		25) ο Cassiopeiae AR.		25) ο Cassiopeiae Dekl.		24) 21 Cassiopeiae AR.		24) 21 Cassiopeiae Dekl.	
1937	$0^h\ 36^m$		$+56°\ 11'$		$0^h\ 40^m$		$-18°\ 19'$		$0^h\ 41^m$		$+47°\ 56'$		$0^h\ 41^m$		$+74°\ 38'$	
Jan. 0	56.445	279	54.51	42	26.710	127	56.85	51	13.600	215	44.24	49	28.83	71	64.45	1
10	56.166	280	54.09	92	26.583	126	57.36	26	13.385	216	43.75	93	28.12	70	64.44	61
20	55.886	267	53.17	139	26.457	119	57.62	0	13.169	208	42.82	134	27.42	67	63.83	121
30	55.619	242	51.78	181	26.338	108	57.62	27	12.961	191	41.48	169	26.75	61	62.62	175
Febr. 9	55.377	206	49.97	214	26.230	91	57.35	54	12.770	162	39.79	197	26.14	52	60.87	221
19	55.171	157	47.83	239	26.139	68	56.81	81	12.608	124	37.82	216	25.62	42	58.66	258
März 1	55.014	98	45.44	253	26.071	41	56.00	107	12.484	77	35.66	226	25.20	28	56.08	284
11	54.916	30	42.91	257	26.030	7	54.93	132	12.407	23	33.40	227	24.92	14	53.24	299
21	54.886	42	40.34	250	26.023	31	53.61	157	12.384	37	31.13	218	24.78	2	50.25	300
31	54.928	119	37.84	233	26.054	71	52.04	179	12.421	100	28.95	198	24.80	17	47.25	291
Apr. 10	55.047	193	35.51	206	26.125	113	50.25	199	12.521	164	26.97	172	24.97	33	44.34	269
20	55.240	265	33.45	171	26.238	156	48.26	215	12.685	224	25.25	137	25.30	48	41.65	239
30	55.505	331	31.74	130	26.394	197	46.11	227	12.909	281	23.88	98	25.78	60	39.26	199
Mai 10	55.836	386	30.44	84	26.591	233	43.84	234	13.190	329	22.90	54	26.38	72	37.27	154
20	56.222	432	29.60	36	26.824	265	41.50	236	13.519	369	22.36	8	27.10	80	35.73	102
30	56.654	466	29.24	14	27.089	290	39.14	232	13.888	399	22.28	37	27.90	87	34.71	49
Juni 9	57.120	486	29.38	64	27.379	309	36.82	223	14.287	419	22.65	83	28.77	91	34.22	6
19	57.606	493	30.02	112	27.688	318	34.59	208	14.706	427	23.48	125	29.68	93	34.28	61
29	58.099	489	31.14	156	28.006	320	32.51	187	15.133	423	24.73	165	30.61	93	34.89	115
Juli 9	58.588	472	32.70	196	28.326	314	30.64	161	15.556	410	26.38	200	31.54	89	36.04	163
19	59.060	445	34.66	232	28.640	298	29.03	131	15.966	388	28.38	230	32.43	84	37.67	210
29	59.505	407	36.98	263	28.938	276	27.72	99	16.354	357	30.68	254	33.27	77	39.77	251
Aug. 8	59.912	363	39.61	286	29.214	248	26.73	64	16.711	319	33.22	273	34.04	70	42.28	287
18	60.275	313	42.47	305	29.462	215	26.09	27	17.030	277	35.95	286	34.74	59	45.15	316
28	60.588	258	45.52	316	29.677	178	25.82	7	17.307	230	38.81	293	35.33	50	48.31	338
Sept. 7	60.846	202	48.68	321	29.855	139	25.89	40	17.537	183	41.74	294	35.83	38	51.69	355
17	61.048	143	51.89	320	29.994	100	26.29	71	17.720	133	44.68	289	36.21	26	55.24	363
27	61.191	85	55.09	313	30.094	61	27.00	96	[2]17.853	86	47.57	279	[2]36.47	14	58.87	364
Okt. 6	[30]61.276	30	58.22	298	[1]30.155	26	27.96	116	17.939	39	50.36	263	36.61	3	62.51	358
16	61.306	25	61.20	278	30.181	8	29.12	130	17.978	5	52.99	242	36.64	10	66.09	343
26	61.281	76	63.98	252	30.173	38	30.42	137	17.973	47	55.41	216	36.54	21	69.52	321
Nov. 5	61.205	123	66.50	219	30.135	63	31.79	139	17.926	86	57.57	185	36.33	32	72.73	290
15	61.082	166	68.69	182	30.072	84	33.18	134	17.840	120	59.42	150	36.01	43	75.63	252
25	60.916	205	70.51	138	29.988	101	34.52	123	17.720	151	60.92	110	35.58	52	78.15	206
Dez. 5	60.711	237	71.89	91	29.887	115	35.75	109	17.569	178	62.02	68	35.06	60	80.21	154
15	60.474	262	72.80	41	29.772	124	36.84	90	17.391	199	62.70	23	34.46	66	81.75	97
25	60.212	278	73.21	11	29.648	129	37.74	67	17.192	213	62.93	23	33.80	69	82.72	36
35	59.934		73.10		29.519		38.41		16.979		62.70		33.11		83.08	
Mittl. Ort	55.106		31.64		25.668		55.73		12.281		23.40		26.98		38.51	
sec δ, tg δ	1.797		+1.493		1.053		−0.331		1.493		+1.108		+3.776		+3.641	
a, *a′*	+3.4		+19.8		+3.0		+19.7		+3.3		+19.7		+4.0		+19.7	
b, *b′*	+0.10		− 0.16		−0.02		− 0.18		+0.07		− 0.18		+0.24		− 0.18	

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Tag	27) ζ Andromedae AR.		27) ζ Andromedae Dekl.		32) γ Cassiopeiae AR.		32) γ Cassiopeiae Dekl.		33) μ Andromedae AR.		33) μ Andromedae Dekl.		35) α Sculptoris AR.		35) α Sculptoris Dekl.	
1937	$0^h\ 43^m$		$+23^\circ\ 55'$		$0^h\ 52^m$		$+60^\circ\ 22'$		$0^h\ 53^m$		$+38^\circ\ 9'$		$0^h\ 55^m$		$-29^\circ\ 41'$	
Jan. 0	$60^s.875$	131	$42''.71$	70	$54^s.98$	32	$57''.04$	15	$16^s.293$	167	$46''.92$	51	$35^s.315$	155	$56''.98$	45
10	60.744	134	42.01	91	54.66	33	56.89	69	16.126	172	46.41	86	35.160	154	57.43	9
20	60.610	129	41.10	108	54.33	33	56.20	120	15.954	169	45.55	118	35.006	148	57.52	28
30	60.481	119	40.02	121	54.00	29	55.00	166	15.785	157	44.37	145	34.858	138	57.24	64
Febr. 9	60.362	101	38.81	129	53.71	26	53.34	204	15.628	136	42.92	166	34.720	121	56.60	99
19	60.261	77	37.52	130	53.45	21	51.30	235	15.492	108	41.26	180	34.599	97	55.61	132
März 1	60.184	45	36.22	126	53.24	15	48.95	255	15.384	71	39.46	186	34.502	68	54.29	164
11	60.139	8	34.96	114	53.09	7	46.40	265	15.313	26	37.60	183	34.434	33	52.65	192
21	60.131	35	33.82	96	53.02	1	43.75	263	15.287	24	35.77	171	34.401	6	50.73	216
31	60.166	80	32.86	73	53.03	10	41.12	251	15.311	77	34.06	153	34.407	50	48.57	238
Apr. 10	60.246	126	32.13	45	53.13	18	38.61	229	15.388	132	32.53	127	34.457	96	46.19	254
20	60.372	173	31.68	15	53.31	27	36.32	198	15.520	186	31.26	94	34.553	141	43.65	266
30	60.545	216	31.53	20	53.58	34	34.34	159	15.706	236	30.32	59	34.694	186	40.99	273
Mai 10	60.761	254	31.73	53	53.92	41	32.75	116	15.942	281	29.73	19	34.880	227	38.26	273
20	61.015	286	32.26	86	54.33	46	31.59	68	16.223	318	29.54	21	35.107	264	35.53	268
30	61.301	311	33.12	118	54.79	50	30.91	18	16.541	347	29.75	61	35.371	294	32.85	256
Juni 9	61.612	328	34.30	146	55.29	53	30.73	33	16.888	367	30.36	99	35.665	316	30.29	238
19	61.940	336	35.76	171	55.82	55	31.06	82	17.255	377	31.35	135	35.981	331	27.91	213
29	62.276	334	37.47	191	56.37	54	31.88	129	17.632	377	32.70	168	36.312	337	25.78	182
Juli 9	62.610	326	39.38	205	56.91	53	33.17	172	18.009	368	34.38	196	36.649	332	23.96	147
19	62.936	309	41.43	215	57.44	50	34.89	212	18.377	350	36.34	218	36.981	321	22.49	109
29	63.245	285	43.58	219	57.94	47	37.01	246	18.727	326	38.52	236	37.302	301	21.40	67
Aug. 8	63.530	256	45.77	219	58.41	43	39.47	275	19.053	295	40.88	248	37.603	273	20.73	24
18	63.786	224	47.96	213	58.84	37	42.22	297	19.348	258	43.36	254	37.876	239	20.49	18
28	64.010	187	50.09	204	59.21	31	45.19	314	19.606	220	45.90	255	38.115	202	20.67	60
Sept. 7	64.197	149	52.13	190	59.52	26	48.33	324	19.826	178	48.45	252	38.317	161	21.27	98
17	64.346	112	54.03	175	59.78	19	51.57	328	20.004	137	50.97	244	38.478	118	22.25	131
27	64.458	76	55.78	155	59.97	13	54.85	324	20.141	96	53.41	231	38.596	76	23.56	158
Okt. 6	64.534	41	57.33	135	60.10	5	58.09	315	20.237	56	55.72	214	38.672	35	25.14	178
16	64.575	8	58.68	113	60.15	0	61.24	298	20.293	18	57.86	194	38.707	3	26.92	190
26	64.583	20	59.81	90	60.15	6	64.22	275	20.311	17	59.80	170	38.704	39	28.82	194
Nov. 5	64.563	46	60.71	65	60.09	11	66.97	246	20.294	50	61.50	142	38.665	69	30.76	189
25	64.517	70	61.36	41	59.98	17	69.43	210	20.244	80	62.92	112	38.596	95	32.65	177
25	64.447	91	61.77	16	59.81	22	71.53	167	20.164	107	64.04	79	38.501	117	34.42	158
Dez. 5	64.356	108	61.93	9	59.59	26	73.20	121	20.057	130	64.83	44	38.384	134	36.00	133
15	64.248	121	61.84	35	59.33	30	74.41	70	19.927	150	65.27	7	38.250	146	37.33	102
25	64.127	131	61.49	58	59.03	32	75.11	17	19.777	165	65.34	31	38.104	155	38.35	69
35	63.996		60.91		58.71		75.28		19.612		65.03		37.949		39.04	
Mittl. Ort	59.666		29.12		53.35		33.54		14.929		28.96		34.226		52.12	
sec δ, tg δ	1.094		+0.444		2.023		+1.759		1.272		+0.786		1.151		−0.570	
a, *a′*	+3.2		+19.7		+3.6		+19.5		+3.3		+19.5		+2.9		+19.5	
b, *b′*	+0.03		− 0.19		+0.11		− 0.23		+0.05		− 0.23		−0.04		− 0.24	

Tag	36) ε Piscium AR.		36) ε Piscium Dekl.		38) β Phoenicis AR.		38) β Phoenicis Dekl.		42) β Andromedae AR.		42) β Andromedae Dekl.		45) υ Piscium AR.		45) υ Piscium Dekl.	
1937	$0^h\ 59^m$		$+7°\ 33'$		$1^h\ 3^m$		$-47°\ 2'$		$1^h\ 6^m$		$+35°\ 17'$		$1^h\ 15^m$		$+26°\ 56'$	
	s		"		s		"		s		"		s		"	
Jan. 0	41.506	115	12.72	70	17.466	233	91.23	25	13.318	156	30.19	45	61.331	135	14.38	50
10	41.391	120	12.02	73	17.233	231	91.48	26	13.162	163	29.74	77	61.196	143	13.88	73
20	41.271	118	11.29	72	17.002	222	91.22	74	12.999	164	28.97	106	61.053	145	13.15	94
30	41.153	112	10.57	69	16.780	207	90.48	122	12.835	155	27.91	131	60.908	141	12.21	110
Febr. 9	41.041	99	9.88	63	16.573	184	89.26	165	12.680	139	26.60	151	60.767	128	11.11	123
19	40.942	79	9.25	52	16.389	153	87.61	205	12.541	113	25.09	164	60.639	107	9.88	130
März 1	40.863	52	8.73	38	16.236	116	85.56	240	12.428	79	23.45	169	60.532	78	8.58	130
11	40.811	20	8.35	21	16.120	73	83.16	270	12.349	38	21.76	167	60.454	42	7.28	125
21	40.791	17	8.14	0	16.047	24	80.46	294	12.311	9	20.09	157	60.412	0	6.03	112
31	40.808	58	8.14	24	16.023	29	77.52	312	12.320	61	18.52	139	60.412	47	4.91	93
Apr. 10	40.866	101	8.38	48	16.052	84	74.40	324	12.381	114	17.13	115	60.459	96	3.98	70
20	40.967	144	8.86	75	16.136	140	71.16	329	12.495	167	15.98	86	60.555	145	3.28	43
30	41.111	186	9.61	101	16.276	195	67.87	326	12.662	216	15.12	51	60.700	192	2.85	11
Mai 10	41.297	223	10.62	125	16.471	246	64.61	316	12.878	262	14.61	15	60.892	235	2.74	22
20	41.520	256	11.87	147	16.717	293	61.45	300	13.140	300	14.46	23	61.127	273	2.96	54
30	41.776	282	13.34	166	17.010	332	58.45	276	13.440	331	14.69	60	61.400	303	3.50	87
Juni 9	42.058	301	15.00	180	17.342	362	55.69	246	13.771	352	15.29	97	61.703	325	4.37	116
19	42.359	312	16.80	189	17.704	384	53.23	208	14.123	365	16.26	130	62.028	338	5.53	143
29	42.671	314	18.69	195	18.088	394	51.15	166	14.488	368	17.56	160	62.366	343	6.96	166
Juli 9	42.985	309	20.64	194	18.482	395	49.49	120	14.856	362	19.16	186	62.709	340	8.62	184
19	43.294	297	22.58	188	18.877	384	48.29	69	15.218	347	21.02	207	63.049	328	10.46	198
29	43.591	278	24.46	178	19.261	363	47.60	18	15.565	325	23.09	222	63.377	309	12.44	207
Aug. 8	43.869	252	26.24	163	19.624	332	47.42	35	15.890	297	25.31	233	63.686	284	14.51	210
18	44.121	222	27.87	145	19.956	293	47.77	84	16.187	264	27.64	238	63.970	255	16.61	209
28	44.343	190	29.32	125	20.249	248	48.61	132	16.451	228	30.02	239	64.225	222	18.70	204
Sept. 7	44.533	156	30.57	103	20.497	196	49.93	174	16.679	189	32.41	234	64.447	186	20.74	194
17	44.689	121	31.60	79	20.693	142	51.67	210	16.868	149	34.75	226	64.633	151	22.68	182
27	[6] 44.810	86	32.39	57	20.835	87	53.77	236	17.017	111	37.01	213	64.784	114	24.50	167
Okt. 6*)	44.896	54	32.96	35	20.922	32	56.13	254	17.128	72	39.14	197	64.898	80	26.17	149
16	44.950	24	33.31	15	[7] 20.954	20	58.67	261	[8] 17.200	36	41.11	178	[10] 64.978	46	27.66	130
26	44.974	5	33.46	4	20.934	68	61.28	257	17.236	1	42.89	156	65.024	14	28.96	109
Nov. 5	44.969	30	33.42	21	20.866	112	63.85	244	17.237	32	44.45	130	65.038	15	30.05	87
15	44.939	52	33.21	34	20.754	149	66.29	221	17.205	61	45.75	103	65.023	44	30.92	63
25	44.887	72	32.87	46	20.605	180	68.50	189	17.144	90	46.78	73	64.979	69	31.55	39
Dez. 5	44.815	89	32.41	57	20.425	204	70.39	150	17.054	114	47.51	41	64.910	93	31.94	15
15	44.726	103	31.84	64	20.221	222	71.89	105	16.940	135	47.92	7	64.817	113	32.09	11
25	44.623	114	31.20	69	19.999	232	72.94	57	16.805	151	47.99	26	64.704	129	31.98	37
35	44.509		30.51		19.767		73.51		16.654		47.73		64.575		31.61	
Mittl. Ort	40.262		5.05		16.394		81.77		11.864		13.35		59.867		0.37	
sec δ, tg δ	1.009		+0.133		1.468		−1.074		1.225		+0.708		1.122		+0.508	
a, *a′*	+3.1		+19.4		+2.7		+19.3		+3.3		+19.2		+3.3		+19.0	
b, *b′*	+0.01		− 0.26		−0.07		− 0.27		+0.05		− 0.29		+0.03		− 0.33	

*) Bei Stern 38), 42) und 45) lies Okt. 7.

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Tag	47) ϑ Ceti AR.		47) ϑ Ceti Dekl.		48) δ Cassiopeiae AR.		48) δ Cassiopeiae Dekl.		50) η Piscium AR.		50) η Piscium Dekl.		51) 40 Cassiopeiae AR.		51) 40 Cassiopeiae Dekl.	
1937	$1^h\ 20^m$		−8° 30′		$1^h\ 21^m$		+59° 54′		$1^h\ 28^m$		+15° 1′		$1^h\ 33^m$		+72° 43′	
Jan. 0	53.719 s	119	26.87″	75	42.624 s	307	53.62″	17	7.949 s	117	27.34″	60	29.42 s	58	36.17″	64
10	53.600	126	27.62	59	42.317	325	53.79	35	7.832	127	26.74	70	28.84	61	36.81	3
20	53.474	128	28.21	41	41.992	326	53.44	86	7.705	131	26.04	77	28.23	62	36.84	56
30	53.346	124	28.62	21	41.666	314	52.58	134	7.574	130	25.27	82	27.61	60	36.28	113
Febr. 9	53.222	114	28.83	0	41.352	286	51.24	177	7.444	121	24.45	83	27.01	55	35.15	165
19	53.108	98	28.83	21	41.066	244	49.47	211	7.323	104	23.62	80	26.46	48	33.50	210
März 1	53.010	74	28.62	45	40.822	186	47.36	236	7.219	79	22.82	73	25.98	39	31.40	246
11	52.936	44	28.17	69	40.636	117	45.00	251	7.140	48	22.09	61	25.59	27	28.94	272
21	52.892	8	27.48	93	40.519	40	42.49	257	7.092	11	21.48	45	25.32	13	26.22	286
31	52.884	31	26.55	117	40.479	44	39.92	252	7.081	32	21.03	24	25.19	0	23.36	289
Apr. 10	52.915	73	25.38	140	40.523	131	37.40	235	7.113	77	20.79	2	25.19	14	20.47	280
20	52.988	117	23.98	162	40.654	214	35.05	211	7.190	122	20.77	24	25.33	28	17.67	262
30	53.105	159	22.36	180	40.868	294	32.94	178	7.312	167	21.01	52	25.61	42	15.05	233
Mai 10	53.264	199	20.56	196	41.162	365	31.16	139	7.479	209	21.53	78	26.03	54	12.72	197
20	53.463	235	18.60	206	41.527	427	29.77	95	7.688	245	22.31	103	26.57	64	10.75	155
30	53.698	264	16.54	212	41.954	477	28.82	49	7.933	275	23.34	128	27.21	72	9.20	107
Juni 9	53.962	287	14.42	214	42.431	513	28.33	1	8.208	299	24.62	148	27.93	79	8.13	56
19	54.249	302	12.28	209	42.944	536	28.32	47	8.507	314	26.10	164	28.72	83	7.57	6
29	54.551	310	10.19	199	43.480	544	28.79	93	8.821	320	27.74	177	29.55	85	7.51	47
Juli 9	54.861	309	8.20	183	44.024	540	29.72	137	9.141	320	29.51	184	30.40	85	7.98	97
19	55.170	300	6.37	162	44.564	523	31.09	178	9.461	311	31.35	186	31.25	84	8.95	144
29	55.470	285	4.75	138	45.087	496	32.87	214	9.772	296	33.21	184	32.09	80	10.39	189
Aug. 8	55.755	263	3.37	110	45.583	459	35.01	244	10.068	274	35.05	177	32.89	74	12.28	228
18	56.018	236	2.27	79	46.042	414	37.45	270	10.342	248	36.82	167	33.63	68	14.56	263
28	56.254	206	1.48	47	46.456	363	40.15	291	10.590	218	38.49	151	34.31	61	17.19	292
Sept. 7	56.460	173	1.01	16	46.819	307	43.06	304	10.808	186	40.00	135	34.92	52	20.11	316
17	56.633	138	0.85	15	47.126	248	46.10	312	10.994	153	41.35	117	35.44	43	23.27	333
27	56.771	103	1.00	42	47.374	188	49.22	314	11.147	120	42.52	96	35.87	32	26.60	343
Okt. 7	56.874	70	1.42	66	47.562	125	52.36	309	11.267	86	43.48	76	36.19	21	30.03	346
16	[12] 56.944	38	2.08	85	[12] 47.687	64	55.45	298	[13] 11.353	56	44.24	57	[15] 36.40	11	33.49	342
26	56.982	8	2.93	100	47.751	3	58.43	280	11.409	26	44.81	37	36.51	1	36.91	330
Nov. 5	56.990	19	3.93	109	47.754	57	61.23	256	11.435	3	45.18	20	36.52	11	40.21	310
15	56.971	44	5.02	113	47.697	114	63.79	226	11.432	28	45.38	2	36.41	21	43.31	282
25	56.927	67	6.15	112	47.583	169	66.05	189	11.404	53	45.40	13	36.20	31	46.13	246
Dez. 5	56.860	86	7.27	107	47.414	219	67.94	146	11.351	75	45.27	29	35.89	41	48.59	203
15	56.774	102	8.34	98	47.195	262	69.40	99	11.276	95	44.98	42	35.48	50	50.62	153
25	56.672	116	9.32	85	46.933	296	70.39	48	11.181	111	44.56	54	34.98	55	52.15	97
35	56.556		10.17		46.637		70.87		11.070		44.02		34.43		53.12	
Mittl. Ort	52.415		28.58		40.575		30.94		6.486		17.59		26.33		11.84	
sec δ, tg δ	1.011		−0.150		1.994		+1.726		1.035		+0.268		3.367		+3.215	
a, *a′*	+3.0		+18.8		+3.9		+18.8		+3.2		+18.6		+4.8		+18.4	
b, *b′*	−0.01		−0.35		+0.11		−0.35		+0.02		−0.38		+0.20		−0.40	

Tag	52) υ Persei AR.		52) υ Persei Dekl.		54) α Eridani AR.		54) α Eridani Dekl.		55) 43 Cassiopeiae AR.		55) 43 Cassiopeiae Dekl.		57) φ Persei AR.		57) φ Persei Dekl.	
1937	$1^h 34^m$		+48° 18′		$1^h 35^m$		−57° 32′		$1^h 37^m$		+67° 43′		$1^h 39^m$		+50° 22′	
Jan. 0	8.706 s	205	54.69″	4	23.541 s	332	94.86″	46	41.42 s	43	54.80″	56	43.942 s	215	39.62″	14
10	8.501	220	54.73	40	23.209	339	95.32	10	40.99	46	55.36	1	43.727	233	39.76	30
20	8.281	228	54.33	81	22.870	335	95.22	66	40.53	46	55.35	58	43.494	242	39.46	74
30	8.053	224	53.52	119	22.535	322	94.56	119	40.07	46	54.77	112	43.252	240	38.72	114
Febr. 9	7.829	208	52.33	154	22.213	298	93.37	170	39.61	42	53.65	161	43.012	224	37.58	150
19	7.621	181	50.79	180	21.915	264	91.67	215	39.19	37	52.04	204	42.788	197	36.08	180
März 1	7.440	143	48.99	200	21.651	222	89.52	255	38.82	29	50.00	237	42.591	157	34.28	202
11	7.297	93	46.99	211	21.429	170	86.97	289	38.53	21	47.63	261	42.434	106	32.26	215
21	7.204	36	44.88	211	21.259	111	84.08	317	38.32	11	45.02	274	42.328	48	30.11	218
31	7.168	26	42.77	204	21.148	48	80.91	338	38.21	0	42.28	275	42.280	17	27.93	212
Apr. 10	7.194	92	40.73	188	21.100	20	77.53	350	38.21	12	39.53	266	42.297	86	25.81	198
20	7.286	157	38.85	164	21.120	93	74.03	357	38.33	23	36.87	247	42.383	154	23.83	175
30	7.443	221	37.21	133	21.213	162	70.46	354	38.56	33	34.40	218	42.537	220	22.08	146
Mai 10	7.664	278	35.88	97	21.375	229	66.92	344	38.89	43	32.22	183	42.757	281	20.62	111
20	7.942	328	34.91	58	21.604	292	63.48	326	39.32	51	30.39	141	43.038	334	19.51	72
30	8.270	370	34.33	17	21.896	348	60.22	301	39.83	58	28.98	95	43.372	378	18.79	30
Juni 9	8.640	401	34.16	25	22.244	394	57.21	267	40.41	64	28.03	46	43.750	412	18.49	12
19	9.041	422	34.41	67	22.638	431	54.54	228	41.05	67	27.57	3	44.162	435	18.61	54
29	9.463	432	35.08	106	23.069	455	52.26	182	41.72	69	27.60	54	44.597	446	19.15	95
Juli 9	9.895	432	36.14	142	23.524	467	50.44	131	42.41	69	28.14	101	45.043	447	20.10	132
19	10.327	421	37.56	174	23.991	466	49.13	77	43.10	67	29.15	146	45.490	437	21.42	167
29	10.748	401	39.30	203	24.457	451	48.36	20	43.77	65	30.61	188	45.927	419	23.09	197
Aug. 8	11.149	374	41.33	226	24.908	425	48.16	37	44.42	61	32.49	226	46.346	392	25.06	222
18	11.523	341	43.59	244	25.333	387	48.53	94	45.03	56	34.75	258	46.738	358	27.28	242
28	11.864	302	46.03	257	25.720	337	49.47	147	45.59	49	37.33	284	47.096	320	29.70	257
Sept. 7	12.166	260	48.60	265	26.057	280	50.94	194	46.08	43	40.17	306	47.416	277	32.27	267
17	12.426	216	51.25	268	26.337	217	52.88	235	46.51	35	43.23	321	47.693	232	34.94	272
27	12.642	171	53.93	265	26.554	148	55.23	267	46.86	28	46.44	330	47.925	185	37.66	271
Okt. 7	12.813	125	56.58	257	26.702	77	57.90	289	47.14	19	49.74	331	48.110	138	40.37	265
16	[15] 12.938	79	59.15	245	[15] 26.779	8	60.79	299	[16] 47.33	11	53.05	326	[16] 48.248	91	43.02	255
26	13.017	35	61.60	227	26.787	60	63.78	298	47.44	3	56.31	313	48.339	43	45.57	238
Nov. 5	13.052	10	63.87	205	26.727	123	66.76	286	47.47	5	59.44	293	48.382	4	47.95	217
15	13.042	52	65.92	178	26.604	179	69.62	262	47.42	14	62.37	266	48.378	50	50.12	190
25	12.990	93	67.70	146	26.425	229	72.24	228	47.28	22	65.03	231	48.328	93	52.02	159
Dez. 5	12.897	131	69.16	111	26.196	271	74.52	185	47.06	29	67.34	189	48.235	134	53.61	123
15	12.766	166	70.27	71	25.925	302	76.37	137	46.77	35	69.23	141	48.101	171	54.84	83
25	12.600	193	70.98	29	25.623	325	77.74	83	46.42	41	70.64	89	47.930	204	55.67	41
35	12.407		71.27		25.298		78.57		46.01		71.53		47.726		56.08	
Mittl. Ort	6.809		35.02		22.259		83.25		38.71		31.33		41.938		19.65	
sec δ, tg δ	1.504		+1.123		1.864		−1.573		2.638		+2.441		1.568		+1.208	
a, *a′*	+3.7		+18.4		+2.2		+18.3		+4.4		+18.3		+3.8		+18.2	
b, *b′*	+0.07		−0.40		−0.10		−0.40		+0.15		−0.41		+0.07		−0.42	

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Tag	59) τ Ceti[1] AR.	Δ	59) Dekl.	Δ	60) o Piscium AR.	Δ	60) Dekl.	Δ	61) Lac. ε Sculptoris AR.	Δ	61) Dekl.	Δ	62) ζ Ceti AR.	Δ	62) Dekl.	Δ
1937	1h 41m		−16° 15′		1h 42m		+8° 50′		1h 42m		−25° 21′		1h 48m		−10° 38′	
Jan. 0	9.829s	131	68.82″	79	5.334s	112	36.03″	65	43.022s	145	66.07″	85	22.424s	118	43.69″	85
10	9.698	140	69.61	54	5.222	123	35.38	67	42.877	154	66.92	52	22.306	131	44.54	66
20	9.558	145	70.15	28	5.099	130	34.71	68	42.723	159	67.44	16	22.175	137	45.20	45
30	9.413	144	70.43	0	4.969	131	34.03	65	42.564	157	67.60	19	22.038	138	45.65	23
Febr. 9	9.269	135	70.43	28	4.838	125	33.38	61	42.407	148	67.41	54	21.900	132	45.88	1
19	9.134	120	70.15	56	4.713	110	32.77	53	42.259	133	66.87	89	21.768	119	45.87	25
März 1	9.014	97	69.59	85	4.603	89	32.24	42	42.126	110	65.98	121	21.649	98	45.62	50
11	8.917	69	68.74	112	4.514	59	31.82	27	42.016	79	64.77	152	21.551	71	45.12	76
21	8.848	34	67.62	138	4.455	24	31.55	10	41.937	44	63.25	181	21.480	37	44.36	100
31	8.814	6	66.24	163	4.431	16	31.45	11	41.893	2	61.44	206	21.443	2	43.36	125
Apr. 10	8.820	50	64.61	185	4.447	60	31.56	34	41.891	42	59.38	229	21.445	45	42.11	148
20	8.870	94	62.76	205	4.507	105	31.90	59	41.933	89	57.09	245	21.490	89	40.63	170
30	8.964	138	60.71	221	4.612	149	32.49	82	42.022	135	54.64	259	21.579	133	38.93	188
Mai 10	9.102	180	58.50	232	4.761	191	33.31	106	42.157	180	52.05	266	21.712	175	37.05	203
20	9.282	218	56.18	238	4.952	229	34.37	128	42.337	220	49.39	267	21.887	213	35.02	214
30	9.500	251	53.80	239	5.181	260	35.65	147	42.557	255	46.72	263	22.100	246	32.88	220
Juni 9	9.751	278	51.41	235	5.441	285	37.12	163	42.812	284	44.09	251	22.346	274	30.68	220
19	10.029	296	49.06	223	5.726	303	38.75	174	43.096	306	41.58	233	22.620	293	28.48	214
29	10.325	307	46.83	206	6.029	312	40.49	180	43.402	319	39.25	209	22.913	305	26.34	203
Juli 9	10.632	310	44.77	184	6.341	314	42.29	182	43.721	323	37.16	179	23.218	308	24.31	187
19	10.942	304	42.93	157	6.655	307	44.11	179	44.044	320	35.37	144	23.526	305	22.44	165
29	11.246	292	41.36	125	6.962	295	45.90	170	44.364	308	33.93	106	23.831	294	20.79	138
Aug. 8	11.538	273	40.11	90	7.257	276	47.60	159	44.672	290	32.87	63	24.125	277	19.41	108
18	11.811	248	39.21	53	7.533	252	49.19	142	44.962	265	32.24	21	24.402	254	18.33	75
28	12.059	219	38.68	15	7.785	224	50.61	123	45.227	234	32.03	22	24.656	226	17.58	42
Sept. 7	12.278	186	38.53	21	8.009	194	51.84	102	45.461	200	32.25	64	24.882	196	17.16	7
17	12.464	151	38.74	55	8.203	163	52.86	80	45.661	164	32.89	101	25.078	163	17.09	26
27	12.615	117	39.29	87	8.366	130	53.66	58	45.825	126	33.90	135	25.241	130	17.35	55
Okt. 7	12.732	81	40.16	112	8.496	99	54.24	36	45.951	89	35.25	161	25.371	97	17.90	81
17	17 12.813	48	41.28	132	17 8.595	67	54.60	16	17 46.040	51	36.86	181	19 25.468	65	18.71	102
26	12.861	16	42.60	145	8.662	38	54.76	2	46.091	16	38.67	193	25.533	34	19.73	118
Nov. 5	12.877	15	44.05	152	8.700	10	54.74	17	46.107	17	40.60	195	25.567	4	20.91	128
15	12.862	42	45.57	152	8.710	17	54.57	31	46.090	48	42.55	192	25.571	24	22.19	131
25	12.820	67	47.09	145	8.693	42	54.26	42	46.042	75	44.47	179	25.547	49	23.50	130
Dez. 5	12.753	90	48.54	133	8.651	65	53.84	52	45.967	100	46.26	160	25.498	73	24.80	123
15	12.663	109	49.87	117	8.586	86	53.32	58	45.867	121	47.86	136	25.425	93	26.03	112
25	12.554	126	51.04	95	8.500	105	52.74	64	45.746	138	49.22	106	25.332	112	27.15	97
35	12.428		51.99		8.395		52.10		45.608		50.28		25.220		28.12	
Mittl. Ort	8.461		67.54		3.823		28.73		41.654		62.09		20.976		44.29	
sec δ, tg δ	1.042		−0.292		1.012		+0.156		1.107		−0.474		1.018		−0.188	
a, *a′*	+2.9		+18.1		+3.2		+18.1		+2.8		+18.1		+3.0		+17.8	
b, *b′*	−0.02		− 0.43		+0.01		− 0.43		−0.03		− 0.43		−0.01		− 0.46	

[1]) Die jährliche Parallaxe (0.″315) ist bereits berücksichtigt.

Tag	64) α Trianguli AR.	Δ	64) α Trianguli Dekl.	Δ	63) ε Cassiopeiae AR.	Δ	63) ε Cassiopeiae Dekl.	Δ	65) ξ Piscium AR.	Δ	65) ξ Piscium Dekl.	Δ	67) ψ Phoenicis AR.	Δ	67) ψ Phoenicis Dekl.	Δ
1937	$1^h\ 49^m$		$+29°\ 16'$		$1^h\ 49^m$		$+63°\ 21'$		$1^h\ 50^m$		$+2°\ 52'$		$1^h\ 51^m$		$-46°\ 36'$	
Jan. 0	30.780	131	35.51	27	53.01	34	61.33	58	19.027	110	42.69	73	8.655	233	48.93	81
10	30.649	147	35.24	52	52.67	37	61.91	5	18.917	123	41.96	68	8.422	244	49.74	30
20	30.502	157	34.72	74	52.30	38	61.96	48	18.794	131	41.28	62	8.178	248	50.04	20
30	30.345	159	33.98	94	51.92	38	61.48	100	18.663	133	40.66	53	7.930	243	49.84	71
Febr. 9	30.186	152	33.04	111	51.54	36	60.48	148	18.530	127	40.13	42	7.687	230	49.13	119
19	30.034	136	31.93	123	51.18	31	59.00	188	18.403	115	39.71	29	7.457	209	47.94	163
März 1	29.898	110	30.70	128	50.87	26	57.12	221	18.288	95	39.42	14	7.248	179	46.31	205
11	29.788	77	29.42	128	50.61	19	54.91	245	18.193	67	39.28	4	7.069	141	44.26	241
21	29.711	36	28.14	121	50.42	11	52.46	258	18.126	33	39.32	24	6.928	95	41.85	271
31	29.675	11	26.93	108	50.31	2	49.88	260	18.093	6	39.56	46	6.833	45	39.14	297
Apr. 10	29.686	61	25.85	89	50.29	8	47.28	252	18.099	50	40.02	68	6.788	10	36.17	315
20	29.747	113	24.96	66	50.37	18	44.76	235	18.149	93	40.70	92	6.798	68	33.02	328
30	29.860	163	24.30	39	50.55	27	42.41	209	18.242	138	41.62	115	6.866	126	29.74	333
Mai 10	30.023	210	23.91	9	50.82	35	40.32	175	18.380	180	42.77	135	6.992	182	26.41	331
20	30.233	252	23.82	22	51.17	43	38.57	136	18.560	218	44.12	154	7.174	234	23.10	321
30	30.485	288	24.04	54	51.60	50	37.21	93	18.778	250	45.66	169	7.408	281	19.89	304
Juni 9	30.773	316	24.58	83	52.10	54	36.28	45	19.028	276	47.35	179	7.689	321	16.85	278
19	31.089	335	25.41	111	52.64	57	35.83	1	19.304	295	49.14	186	8.010	352	14.07	247
29	31.424	346	26.52	136	53.21	60	35.84	48	19.599	306	51.00	187	8.362	373	11.60	207
Juli 9	31.770	349	27.88	156	53.81	60	36.32	93	19.905	309	52.87	184	8.735	384	9.53	164
19	32.119	343	29.44	173	54.41	59	37.25	137	20.214	305	54.71	174	9.119	386	7.89	114
29	32.462	330	31.17	185	55.00	57	38.62	177	20.519	294	56.45	160	9.505	376	6.75	62
Aug. 8	32.792	309	33.02	192	55.57	54	40.39	212	20.813	276	58.05	143	9.881	356	6.13	8
18	33.101	285	34.94	195	56.11	50	42.51	242	21.089	254	59.48	121	10.237	329	6.05	46
28	33.386	256	36.89	194	56.61	45	44.93	269	21.343	227	60.69	97	10.566	290	6.51	99
Sept. 7	33.642	223	38.83	188	57.06	39	47.62	288	21.570	198	61.66	73	10.856	251	7.50	148
17	33.865	190	40.71	180	57.45	34	50.50	302	21.768	167	62.39	46	11.107	202	8.98	192
27	34.055	156	42.51	169	57.79	27	53.52	311	21.935	135	62.85	22	11.309	151	10.90	227
Okt. 7	34.211	121	44.20	154	58.06	20	56.63	312	22.070	104	63.07	1	11.460	98	13.17	255
17	34.332	87	45.74	138	58.26	13	59.75	308	22.174	73	63.06	22	11.558	46	15.72	272
26	19 34.419	53	47.12	121	19 58.39	6	62.83	297	19 22.247	44	62.84	40	19 11.604	5	18.44	278
Nov. 5	34.472	21	48.33	102	58.45	1	65.80	279	22.291	15	62.44	53	11.599	52	21.22	273
15	34.493	11	49.35	81	58.44	7	68.59	254	22.306	12	61.91	64	11.547	98	23.95	259
25	34.482	42	50.16	59	58.37	15	71.13	222	22.294	38	61.27	71	11.449	137	26.54	233
Dez. 5	34.440	71	50.75	36	58.22	21	73.35	183	22.256	62	60.56	76	11.312	173	28.87	200
15	34.369	98	51.11	12	58.01	27	75.18	138	22.194	83	59.80	76	11.139	201	30.87	159
25	34.271	122	51.23	14	57.74	32	76.56	89	22.111	103	59.04	76	10.938	224	32.46	113
35	34.149		51.09		57.42		77.45		22.008		58.28		10.714		33.59	
Mittl. Ort	29.045		21.71		50.37		39.09		17.503		37.59		7.267		39.41	
sec δ, tg δ	1.146		+0.561		2.230		+1.994		1.001		+0.050		1.456		−1.058	
a, *a'*	+3.4		+17.8		+4.3		+17.8		+3.1		+17.8		+2.4		+17.7	
b, *b'*	+0.03		− 0.46		+0.12		− 0.46		0.00		− 0.46		−0.06		− 0.47	

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Tag		66) β Arietis AR.	Δ	66) β Arietis Dekl.	Δ	68) χ Eridani AR.	Δ	68) χ Eridani Dekl.	Δ	72) α Hydri AR.	Δ	72) α Hydri Dekl.	Δ	71) υ Ceti AR.	Δ	71) υ Ceti Dekl.	Δ
1937		$1^h\ 51^m$		$+20°\ 30'$		$1^h\ 53^m$		$-51°\ 54'$		$1\ \ 56^m$		$-61°\ 51'$		$1^h\ 57^m$		$-21°\ 22'$	
Jan.	0	^{s}10.931	118	13.″97	45	31.755	271	91.06	77	48.52	40	106.11	69	3.640	134	59.43	95
	10	10.813	132	13.52	59	31.484	283	91.83	24	48.12	41	106.80	10	3.506	146	60.38	64
	20	10.681	141	12.93	72	31.201	287	92.07	31	47.71	41	106.90	47	3.360	155	61.02	33
	30	10.540	144	12.21	83	30.914	281	91.76	83	47.30	40	106.43	104	3.205	155	61.35	1
Febr.	9	10.396	139	11.38	90	30.633	266	90.93	133	46.90	38	105.39	157	3.050	150	61.36	33
	19	10.257	124	10.48	94	30.367	241	89.60	180	46.52	34	103.82	206	2.900	137	61.03	65
März	1	10.133	102	9.54	92	30.126	208	87.80	222	46.18	30	101.76	248	2.763	117	60.38	97
	11	10.031	71	8.62	86	29.918	166	85.58	259	45.88	25	99.28	285	2.646	89	59.41	127
	21	9.960	33	7.76	75	29.752	117	82.99	290	45.63	18	96.43	316	2.557	54	58.14	155
	31	9.927	9	7.01	58	29.635	60	80.09	315	45.45	11	93.27	339	2.503	14	56.59	182
Apr.	10	9.936	56	6.43	38	29.575	1	76.94	333	45.34	3	89.88	354	2.489	29	54.77	205
	20	9.992	104	6.05	15	29.574	63	73.61	343	45.31	4	86.34	363	2.518	74	52.72	225
	30	10.096	151	5.90	12	29.637	126	70.18	347	45.35	12	82.71	363	2.592	121	50.47	240
Mai	10	10.247	195	6.02	39	29.763	188	66.71	342	45.47	21	79.08	355	2.713	165	48.07	250
	20	10.442	236	6.41	66	29.951	246	63.29	330	45.68	28	75.53	339	2.878	206	45.57	255
	30	10.678	270	7.07	92	30.197	297	59.99	311	45.96	34	72.14	314	3.084	242	43.02	255
Juni	9	10.948	296	7.99	117	30.494	342	56.88	283	46.30	40	69.00	283	3.326	272	40.47	247
	19	11.244	316	9.16	137	30.836	378	54.05	248	46.70	45	66.17	243	3.598	295	38.00	233
	29	11.560	326	10.53	154	31.214	402	51.57	206	47.15	49	63.74	198	3.893	309	35.67	213
Juli	9	11.886	329	12.07	167	31.616	417	49.51	159	47.64	51	61.76	147	4.202	316	33.54	188
	19	12.215	324	13.74	176	32.033	420	47.92	108	48.15	51	60.29	91	4.518	315	31.66	156
	29	12.539	311	15.50	179	32.453	411	46.84	53	48.66	51	59.38	34	4.833	305	30.10	121
Aug.	8	12.850	293	17.29	177	32.864	391	46.31	3	49.17	49	59.04	26	5.138	289	28.89	81
	18	13.143	270	19.06	173	33.255	360	46.34	59	49.66	45	59.30	85	5.427	267	28.08	41
	28	13.413	242	20.79	164	33.615	322	46.93	114	50.11	40	60.15	140	5.694	240	27.67	0
Sept.	7	13.655	212	22.43	152	33.937	275	48.07	164	50.51	35	61.55	191	5.934	208	27.67	41
	17	13.867	181	23.95	137	34.212	223	49.71	208	50.86	27	63.46	236	6.142	175	28.08	79
	27	14.048	148	25.32	121	34.435	166	51.79	244	51.13	20	65.82	272	6.317	140	28.87	113
Okt.	7	14.196	115	26.53	104	34.601	106	54.23	271	51.33	12	68.54	297	6.457	104	30.00	141
	17	14.311	84	27.57	86	34.707	47	56.94	287	51.45	4	71.51	312	6.561	68	31.41	163
	26	[19] 14.395	52	28.43	68	[20] 34.754	11	59.81	293	[21] 51.49	4	74.63	314	[21] 6.629	35	33.04	178
Nov.	5	14.447	22	29.11	50	34.743	66	62.74	286	51.45	11	77.77	304	6.664	2	34.82	183
	15	14.469	8	29.61	33	34.677	118	65.60	269	51.34	18	80.81	283	6.666	28	36.65	183
	25	14.461	35	29.94	15	34.559	163	68.29	241	51.16	25	83.64	251	6.638	57	38.48	174
Dez.	5	14.426	62	30.09	3	34.396	203	70.70	204	50.91	31	86.15	209	6.581	83	40.22	159
	15	14.364	87	30.06	19	34.193	235	72.74	161	50.60	35	88.24	160	6.498	107	41.81	139
	25	14.277	108	29.87	36	33.958	261	74.35	111	50.25	37	89.84	106	6.391	126	43.20	114
	35	14.169		29.51		33.697		75.46		49.88		90.90		6.265		44.34	
Mittl. Ort		9.275		3.00		30.346		80.47		47.04		93.92		2.183		56.52	
sec δ, tg δ		1.068		+0.374		1.622		−1.276		2.121		−1.871		1.074		−0.392	
a, *a′*		+3.3		+17.7		+2.3		+17.6		+1.9		+17.5		+2.8		+17.5	
b, *b′*		+0.02		− 0.47		−0.07		− 0.48		−0.11		− 0.49		−0.02		− 0.49	

Tag	70) 50 Cassiopeiae AR.		70) Dekl.		73) γ Andromedae AR.		73) Dekl.		74) α Arietis AR.		74) Dekl.		75) β Trianguli AR.		75) Dekl.	
1937	1ʰ 57ᵐ		+72° 6′		2ʰ 0ᵐ		+42° 1′		2ʰ 3ᵐ		+23° 9′		2ʰ 5ᵐ		+34° 41′	
Jan. 0	64.30ˢ	53	86.88″	92	3.374ˢ	164	58.77″	12	38.745ˢ	115	67.03″	34	49.162ˢ	137	39.57″	4
10	63.77	57	87.80	34	3.210	184	58.89	25	38.630	136	66.69	51	49.025	158	39.53	32
20	63.20	60	88.14	25	3.026	198	58.64	61	38.494	146	66.18	67	48.867	171	39.21	61
30	62.60	60	87.89	82	2.828	202	58.03	93	38.348	151	65.51	81	48.696	177	38.60	87
Febr. 9	62.00	56	87.07	136	2.626	194	57.10	123	38.197	147	64.70	91	48.519	173	37.73	109
19	61.44	51	85.71	184	2.432	177	55.87	148	38.050	136	63.79	97	48.346	158	36.64	127
März 1	60.93	43	83.87	225	2.255	147	54.39	166	37.914	113	62.82	99	48.188	134	35.37	139
11	60.50	32	81.62	255	2.108	108	52.73	175	37.801	84	61.83	96	48.054	99	33.98	145
21	60.18	20	79.07	274	2.000	60	50.98	178	37.717	47	60.87	87	47.955	56	32.53	143
31	59.98	7	76.33	284	1.940	5	49.20	172	37.670	3	60.00	74	47.899	8	31.10	135
Apr. 10	59.91	7	73.49	281	1.935	54	47.48	159	37.667	44	59.26	55	47.891	45	29.75	121
20	59.98	21	70.68	267	1.989	113	45.89	139	37.711	94	58.71	34	47.936	99	28.54	101
30	60.19	34	68.01	245	2.102	173	44.50	114	37.805	142	58.37	8	48.035	154	27.53	75
Mai 10	60.53	46	65.56	214	2.275	228	43.36	82	37.947	187	58.29	19	48.189	205	26.78	46
20	60.99	57	63.42	176	2.503	278	42.54	48	38.134	230	58.48	46	48.394	251	26.32	15
30	61.56	66	61.66	133	2.781	320	42.06	12	38.364	267	58.94	73	48.645	291	26.17	18
Juni 9	62.22	73	60.33	85	3.101	353	41.94	24	38.631	295	59.67	99	48.936	323	26.35	49
19	62.95	79	59.48	37	3.454	378	42.18	60	38.926	316	60.66	121	49.259	346	26.84	81
29	63.74	83	59.11	14	3.832	392	42.78	94	39.242	329	61.87	140	49.605	360	27.65	109
Juli 9	64.57	84	59.25	63	4.224	397	43.72	126	39.571	334	63.27	156	49.965	366	28.74	134
19	65.41	83	59.88	111	4.621	393	44.98	153	39.905	331	64.83	166	50.331	362	30.08	155
29	66.24	80	60.99	155	5.014	379	46.51	177	40.236	320	66.49	173	50.693	352	31.63	173
Aug. 8	67.04	77	62.54	198	5.393	360	48.28	197	40.556	304	68.22	175	51.045	335	33.36	187
18	67.81	72	64.52	233	5.753	334	50.25	211	40.860	282	69.97	173	51.380	311	35.23	194
28	68.53	65	66.85	266	6.087	302	52.36	222	41.142	256	71.70	166	51.691	282	37.17	199
Sept. 7	69.18	58	69.51	293	6.389	268	54.58	227	41.398	226	73.36	157	51.973	252	39.16	199
17	69.76	48	72.44	313	6.657	231	56.85	229	41.624	196	74.93	145	52.225	219	41.15	196
27	70.24	40	75.57	327	6.888	192	59.14	226	41.820	164	76.38	132	52.444	183	43.11	189
Okt. 7	70.64	30	78.84	335	7.080	152	61.40	219	41.984	132	77.70	115	52.627	148	45.00	179
17	70.94	20	82.19	336	7.232	112	63.59	208	42.116	99	78.85	100	52.775	112	46.79	167
26	[21] 71.14	9	85.55	329	[22] 7.344	73	65.67	193	[22] 42.215	67	79.85	83	[23] 52.887	76	48.46	151
Nov. 5	71.23	2	88.84	314	7.417	32	67.60	176	42.282	36	80.68	65	52.963	40	49.97	134
15	71.21	13	91.98	291	7.449	8	69.36	154	42.318	5	81.33	47	53.003	5	51.31	114
25	71.08	23	94.89	262	7.441	46	70.90	127	42.323	25	81.80	30	53.008	30	52.45	92
Dez. 5	70.85	33	97.51	226	7.395	84	72.17	98	42.298	54	82.10	12	52.978	64	53.37	67
15	70.52	42	99.77	173	7.311	120	73.15	67	42.244	81	82.22	6	52.914	96	54.04	40
25	70.10	50	101.50	125	7.191	150	73.82	32	42.163	106	82.16	24	52.818	125	54.44	13
35	69.60		102.75		7.041		74.14		42.057		81.92		52.693		54.57	
Mittl. Ort	60.71		63.71		1.356		41.71		36.980		55.61		47.229		24.77	
sec δ, tg δ	3.257		+3.099		1.346		+0.901		1.088		+0.428		1.216		+0.692	
a, *a′*	+5.1		+17.4		+3.7		+17.4		+3.4		+17.2		+3.6		+17.1	
b, *b′*	+0.18		− 0.49		+0.05		− 0.50		+0.02		− 0.51		+0.04		− 0.52	

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Tag	76) 55 Cassiopeiae				78) Lac. μ Fornacis				80) 67 Ceti				85) ξ² Ceti			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1937	$2^h\ 9^m$		$+66°\ 13'$		$2^h\ 10^m$		$-31°\ 0'$		$2^h\ 13^m$		$-6°\ 42'$		$2^h\ 24^m$		$+8°\ 10'$	
Jan. 0	$33^s.81$	36	$71''.41$	89	$9^s.562$	156	$73''.35$	107	$51^s.964$	109	$40''.74$	90	$50^s.131$	100	$48''.99$	63
10	33.45	41	72.30	35	9.406	172	74.42	68	51.855	126	41.64	75	50.031	120	48.36	64
20	33.04	44	72.65	20	9.234	182	75.10	28	51.729	137	42.39	58	49.911	134	47.72	63
30	32.60	44	72.45	74	9.052	184	75.38	13	51.592	143	42.97	38	49.777	143	47.09	59
Febr. 9	32.16	42	71.71	124	8.868	179	75.25	54	51.449	142	43.35	18	49.634	143	46.50	54
19	31.74	38	70.47	170	8.689	167	74.71	93	51.307	133	43.53	3	49.491	136	45.96	46
März 1	31.36	33	68.77	208	8.522	146	73.78	130	51.174	115	43.50	26	49.355	120	45.50	36
11	31.03	26	66.69	237	8.376	118	72.48	165	51.059	90	43.24	49	49.235	95	45.14	22
21	30.77	17	64.32	256	8.258	82	70.83	197	50.969	58	42.75	74	49.140	64	44.92	7
31	30.60	6	61.76	265	8.176	41	68.86	225	50.911	21	42.01	97	49.076	25	44.85	11
Apr. 10	30.54	4	59.11	263	8.135	5	66.61	249	50.890	21	41.04	120	49.051	18	44.96	31
20	30.58	14	56.48	250	8.140	54	64.12	267	50.911	65	39.84	142	49.069	63	45.27	53
30	30.72	25	53.98	230	8.194	104	61.45	280	50.976	110	38.42	163	49.132	109	45.80	75
Mai 10	30.97	35	51.68	200	8.298	151	58.65	289	51.086	154	36.79	180	49.241	153	46.55	97
20	31.32	44	49.68	165	8.449	196	55.76	288	51.240	194	34.99	194	49.394	194	47.52	117
30	31.76	51	48.03	123	8.645	237	52.88	283	51.434	229	33.05	203	49.588	231	48.69	135
Juni 9	32.27	57	46.80	79	8.882	271	50.05	270	51.663	259	31.02	207	49.819	261	50.04	150
19	32.84	61	46.01	33	9.153	298	47.35	250	51.922	281	28.95	206	50.080	285	51.54	160
29	33.45	65	45.68	14	9.451	317	44.85	224	52.203	297	26.89	199	50.365	300	53.14	167
Juli 9	34.10	66	45.82	61	9.768	328	42.61	190	52.500	305	24.90	187	50.665	309	54.81	169
19	34.76	66	46.43	105	10.096	330	40.71	153	52.805	304	23.03	169	50.974	309	56.50	165
29	35.42	64	47.48	147	10.426	324	39.18	109	53.109	297	21.34	147	51.283	304	58.15	157
Aug. 8	36.06	62	48.95	186	10.750	310	38.09	64	53.406	284	19.87	121	51.587	292	59.72	145
18	36.68	58	50.81	220	11.060	289	37.45	16	53.690	265	18.66	90	51.879	274	61.17	129
28	37.26	53	53.01	249	11.349	262	37.29	32	53.955	242	17.76	59	52.153	252	62.46	110
Sept. 7	37.79	47	55.50	274	11.611	230	37.61	77	54.197	215	17.17	27	52.405	226	63.56	89
17	38.26	41	58.24	293	11.841	195	38.38	120	54.412	185	16.90	5	52.631	199	64.45	67
27	38.67	34	61.17	306	12.036	157	39.58	158	54.597	155	16.95	35	52.830	171	65.12	45
Okt. 7	39.01	27	64.23	312	12.193	118	41.16	189	54.752	123	17.30	61	53.001	141	65.57	23
17	39.28	20	67.35	313	12.311	78	43.05	212	54.875	92	17.91	84	53.142	111	65.80	3
26*)	[24] 39.48	11	70.48	307	[24] 12.389	41	45.17	226	[25] 54.967	62	18.75	102	[28] 53.253	81	65.83	14
Nov. 5	39.59	4	73.55	293	12.430	2	47.43	231	55.029	32	19.77	114	53.334	52	65.69	29
15	39.63	5	76.48	273	12.432	33	49.74	226	55.061	2	20.91	120	53.386	22	65.40	40
25	39.58	13	79.21	245	12.399	66	52.00	213	55.063	26	22.11	122	53.408	7	65.00	50
Dez. 5	39.45	21	81.66	209	12.333	96	54.13	193	55.037	52	23.33	119	53.401	36	64.50	57
15	39.24	28	83.75	167	12.237	123	56.06	164	54.985	77	24.52	112	53.365	64	63.93	62
25	38.96	34	85.42	120	12.114	147	57.70	131	54.908	100	25.64	100	53.301	89	63.31	64
35	38.62		86.62		11.967		59.01		54.808		26.64		53.212		62.67	
Mittl. Ort	30.65		49.67		8.056		67.59		50.363		42.20		48.377		43.02	
sec δ, tg δ	2.481		+2.271		1.167		−0.601		1.007		−0.118		1.010		+0.144	
a, *a′*	+4.7		+16.9		+2.6		+16.9		+3.0		+16.7		+3.2		+16.2	
b, *b′*	+0.13		− 0.54		−0.03		− 0.54		−0.01		− 0.55		+0.01		− 0.59	

*) Bei Stern 85 lies Okt. 27.

Tag	87) 36 H. Cassiopeiae AR.		87) Dekl.		90) μ Hydri AR.		90) Dekl.		89) ν Arietis AR.		89) Dekl.		91) δ Ceti AR.		91) Dekl.	
1937	$2^h\ 31^m$		$+72°\ 32'$		$2^h\ 32^m$		$-79°\ 22'$		$2^h\ 35^m$		$+21°\ 41'$		$2^h\ 36^m$		$+0°\ 3'$	
Jan. 0	64.26	50	61.44	133	60.29	116	77.13	93	15.976	102	33.90	26	16.814	98	30.73	84
10	63.76	56	62.77	78	59.13	123	78.06	31	15.874	126	33.64	40	16.716	118	29.89	74
20	63.20	60	63.55	21	57.90	125	78.37	30	15.748	145	33.24	53	16.598	135	29.15	64
30	62.60	63	63.76	38	56.65	124	78.07	88	15.603	155	32.71	64	16.463	145	28.51	51
Febr. 9	61.97	61	63.38	94	55.41	119	77.19	145	15.448	158	32.07	74	16.318	147	28.00	38
19	61.36	57	62.44	146	54.22	112	75.74	196	15.290	151	31.33	80	16.171	142	27.62	22
März 1	60.79	51	60.98	191	53.10	103	73.78	241	15.139	135	30.53	83	16.029	127	27.40	4
11	60.28	41	59.07	228	52.07	90	71.37	281	15.004	109	29.70	81	15.902	105	27.36	14
21	59.87	30	56.79	256	51.17	76	68.56	313	14.895	75	28.89	74	15.797	75	27.50	34
31	59.57	17	54.23	273	50.41	59	65.43	338	14.820	35	28.15	64	15.722	39	27.84	55
Apr. 10	59.40	4	51.50	280	49.82	41	62.05	356	14.785	10	27.51	49	15.683	3	28.39	77
20	59.36	10	48.70	275	49.41	22	58.49	366	14.795	60	27.02	30	15.686	47	29.16	99
30	59.46	25	45.95	261	49.19	3	54.83	367	14.855	109	26.72	8	15.733	93	30.15	120
Mai 10	59.71	38	43.34	238	49.16	17	51.16	360	14.964	156	26.64	15	15.826	137	31.35	140
20	60.09	50	40.96	206	49.33	36	47.56	345	15.120	201	26.79	39	15.963	178	32.75	156
30	60.59	61	38.90	169	49.69	54	44.11	323	15.321	240	27.18	64	16.141	216	34.31	169
Juni 9	61.20	70	37.21	127	50.23	70	40.88	291	15.561	273	27.82	86	16.357	248	36.00	179
19	61.90	77	35.94	82	50.93	85	37.97	253	15.834	298	28.68	107	16.605	272	37.79	184
29	62.67	82	35.12	34	51.78	98	35.44	208	16.132	316	29.75	124	16.877	290	39.63	184
Juli 9	63.49	85	34.78	14	52.76	107	33.36	156	16.448	326	30.99	138	17.167	301	41.47	178
19	64.34	87	34.92	60	53.83	114	31.80	101	16.774	329	32.37	147	17.468	304	43.25	167
29	65.21	86	35.52	107	54.97	116	30.79	42	17.103	323	33.84	153	17.772	300	44.92	152
Aug. 8	66.07	83	36.59	150	56.13	115	30.37	19	17.426	312	35.37	154	18.072	290	46.44	132
18	66.90	80	38.09	189	57.28	111	30.56	80	17.738	296	36.91	152	18.362	274	47.76	108
28	67.70	74	39.98	225	58.39	103	31.36	138	18.034	274	38.43	146	18.636	254	48.84	82
Sept. 7	68.44	68	42.23	256	59.42	90	32.74	192	18.308	249	39.89	136	18.890	231	49.66	55
17	69.12	60	44.79	281	60.32	76	34.66	241	18.557	223	41.25	124	19.121	204	50.21	26
27	69.72	52	47.60	302	61.08	58	37.07	280	18.780	193	42.49	111	19.325	176	50.47	1
Okt. 7	70.24	42	50.62	317	61.66	38	39.87	310	18.973	163	43.60	97	19.501	147	50.46	26
17	70.66	32	53.79	324	62.04	17	42.97	328	19.136	133	44.57	83	19.648	118	50.20	48
27	30 70.98	21	57.03	324	30 62.21	5	46.25	333	30 19.269	101	45.40	67	31 19.766	88	49.72	66
Nov. 5	71.19	10	60.27	318	62.16	26	49.58	326	19.370	70	46.07	52	19.854	58	49.06	80
15	71.29	1	63.45	303	61.90	49	52.84	307	19.440	37	46.59	38	19.912	28	48.26	90
25	71.28	13	66.48	280	61.41	68	55.91	276	19.477	4	46.97	24	19.940	2	47.36	95
Dez. 5	71.15	25	69.28	248	60.73	85	58.67	235	19.481	27	47.21	10	19.938	31	46.41	97
15	70.90	35	71.76	210	59.88	100	61.02	185	19.454	59	47.31	5	19.907	59	45.44	94
25	70.55	45	73.86	163	58.88	111	62.87	130	19.395	89	47.26	19	19.848	86	44.50	89
35	70.10		75.49		57.77		64.17		19.306		47.07		19.762		43.61	
Mittl. Ort	59.83		40.18		57.58		63.92		14.027		24.12		15.057		27.61	
sec δ, tg δ	3.334		+3.180		5.428		−5.335		1.076		+0.398		1.000		+0.001	
a, *a′*	+5.7		+15.8		−1.3		+15.7		+3.4		+15.6		+3.1		+15.6	
b, *b′*	+0.17		− 0.62		−0.28		− 0.62		+0.02		− 0.63		0.00		− 0.63	

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Tag	93) ϑ Persei AR.		93) ϑ Persei Dekl.		97) π Ceti AR.		97) π Ceti Dekl.	
1937	$2^h\ 39^m$		$+48°\ 57'$		$2^h\ 41^m$		$-14°\ 7'$	
Jan. 0	55.664	168	64.43	64	9.097	110	29.67	114
10	55.496	203	65.07	26	8.987	130	30.81	90
20	55.293	229	65.33	14	8.857	147	31.71	64
30	55.064	244	65.19	54	8.710	157	32.35	38
Febr. 9	54.820	246	64.65	91	8.553	160	32.73	9
19	54.574	234	63.74	125	8.393	154	32.82	19
März 1	54.340	210	62.49	153	8.239	141	32.63	47
11	54.130	171	60.96	175	8.098	119	32.16	76
21	53.959	122	59.21	189	7.979	89	31.40	103
31	53.837	64	57.32	195	7.890	52	30.37	130
Apr. 10	53.773	0	55.37	191	7.838	12	29.07	155
20	53.773	68	53.46	181	7.826	33	27.52	177
30	53.841	136	51.65	164	7.859	79	25.75	197
Mai 10	53.977	201	50.01	139	7.938	125	23.78	213
20	54.178	262	48.62	110	8.063	167	21.65	224
30	54.440	315	47.52	77	8.230	205	19.41	230
Juni 9	54.755	360	46.75	42	8.435	239	17.11	231
19	55.115	395	46.33	6	8.674	267	14.80	225
29	55.510	421	46.27	30	8.941	287	12.55	214
Juli 9	55.931	435	46.57	65	9.228	299	10.41	196
19	56.366	440	47.22	98	9.527	304	8.45	173
29	56.806	436	48.20	128	9.831	302	6.72	144
Aug. 8	57.242	423	49.48	155	10.133	294	5.28	112
18	57.665	402	51.03	178	10.427	279	4.16	76
28	58.067	376	52.81	197	10.706	258	3.40	37
Sept. 7	58.443	345	54.78	211	10.964	235	3.03	1
17	58.788	310	56.89	222	11.199	208	3.04	38
27	59.098	271	59.11	229	11.407	179	3.42	73
Okt. 7	59.369	230	61.40	230	11.586	148	4.15	104
17	59.599	186	63.70	228	11.734	117	5.19	130
27	59.785	141	65.98	222	11.851	84	6.49	149
Nov. 5	[1] 59.926	93	68.20	212	[1] 11.935	52	7.98	161
15	60.019	45	70.32	195	11.987	21	9.59	167
25	60.064	5	72.27	176	12.008	10	11.26	166
Dez. 5	60.059	54	74.03	150	11.998	41	12.92	159
15	60.005	103	75.53	120	11.957	71	14.51	146
25	59.902	148	76.73	86	11.886	97	15.97	127
35	59.754		77.59		11.789		17.24	
Mittl. Ort	53.093		47.70		7.389		28.43	
sec δ, tg δ	1.523		+1.149		1.031		−0.252	
a, *a'*	+4.1		+15.4		+2.9		+15.3	
b, *b'*	+0.06		− 0.64		−0.01		− 0.65	

Tag	98) μ Ceti AR.		98) μ Ceti Dekl.		100) 41 Arietis AR.		100) 41 Arietis Dekl.	
1937	$2^h\ 41^m$		$+9°\ 50'$		$2^h\ 46^m$		$+27°\ 0'$	
Jan. 0	33.835	92	63.00	60	18.274	103	18.10	6
10	33.743	116	62.40	60	18.171	129	18.04	24
20	33.627	134	61.80	60	18.042	151	17.80	42
30	33.493	146	61.20	58	17.891	165	17.38	60
Febr. 9	33.347	149	60.62	55	17.726	169	16.78	74
19	33.198	144	60.07	49	17.557	164	16.04	86
März 1	33.054	130	59.58	41	17.393	149	15.18	95
11	32.924	108	59.17	30	17.244	123	14.23	99
21	32.816	77	58.87	15	17.121	89	13.24	97
31	32.739	40	58.72	0	17.032	47	12.27	91
Apr. 10	32.699	2	58.72	20	16.985	0	11.36	79
20	32.701	48	58.92	40	16.985	50	10.57	63
30	32.749	95	59.32	61	17.035	102	9.94	44
Mai 10	32.844	140	59.93	82	17.137	152	9.50	20
20	32.984	182	60.75	102	17.289	199	9.30	5
30	33.166	220	61.77	121	17.488	241	9.35	29
Juni 9	33.386	253	62.98	136	17.729	276	9.64	55
19	33.639	278	64.34	148	18.005	303	10.19	78
29	33.917	296	65.82	156	18.308	324	10.97	99
Juli 9	34.213	307	67.38	159	18.632	336	11.96	117
19	34.520	311	68.97	158	18.968	340	13.13	132
29	34.831	307	70.55	152	19.308	337	14.45	142
Aug. 8	35.138	298	72.07	142	19.645	327	15.87	149
18	35.436	283	73.49	128	19.972	312	17.36	152
28	35.719	263	74.77	110	20.284	292	18.88	152
Sept. 7	35.982	240	75.87	90	20.576	268	20.40	147
17	36.222	214	76.77	70	20.844	241	21.87	140
27	36.436	187	77.47	49	21.085	212	23.27	131
Okt. 7	36.623	159	77.96	28	21.297	182	24.58	121
17	36.782	129	78.24	9	21.479	151	25.79	109
27	36.911	100	78.33	7	21.630	119	26.88	96
Nov. 5	[1] 37.011	70	78.26	22	[2] 21.749	85	27.84	83
15	37.081	39	78.04	34	21.834	51	28.67	69
25	37.120	9	77.70	44	21.885	16	29.36	54
Dez. 5	37.129	22	77.26	51	21.901	20	29.90	38
15	37.107	52	76.75	56	21.881	54	30.28	22
25	37.055	80	76.19	58	21.827	88	30.50	4
35	36.975		75.61		21.739		30.54	
Mittl. Ort	31.976		57.01		16.182		7.27	
sec δ, tg δ	1.015		+0.174		1.122		+ 0.510	
a, *a'*	+3.2		+15.3		+3.5		+15.0	
b, *b'*	+0.01		− 0.65		+0.03		− 0.66	

Tag	101) β Fornacis AR.		101) β Fornacis Dekl.		102) τ^2 Eridani AR.		102) τ^2 Eridani Dekl.		103) τ Persei AR.		103) τ Persei Dekl.		104) η Eridani AR.		104) η Eridani Dekl.	
1937	$2^h\ 46^m$		$-32°\ 39'$		$2^h\ 48^m$		$-21°\ 15'$		$2^h\ 49^m$		$+52°\ 30'$		$2^h\ 53^m$		$-9°\ 8'$	
Jan. 0	28.887 s	151	77.16 "	140	12.531 s	119	50.23 "	129	49.449 s	180	38.79 "	85	22.683 s	98	52.57 "	110
10	28.736	174	78.56	101	12.412	142	51.52	99	49.269	221	39.64	44	22.585	122	53.67	91
20	28.562	191	79.57	59	12.270	160	52.51	67	49.048	251	40.08	3	22.463	140	54.58	71
30	28.371	201	80.16	15	12.110	171	53.18	33	48.797	270	40.11	40	22.323	153	55.29	48
Febr. 9	28.170	203	80.31	28	11.939	173	53.51	2	48.527	274	39.71	81	22.170	158	55.77	25
19	27.967	196	80.03	70	11.766	169	53.49	36	48.253	264	38.90	119	22.012	154	56.02	0
März 1	27.771	181	79.33	110	11.597	156	53.13	70	47.989	239	37.71	151	21.858	143	56.02	25
11	27.590	156	78.23	149	11.441	134	52.43	102	47.750	200	36.20	177	21.715	123	55.77	49
21	27.434	124	76.74	184	11.307	104	51.41	134	47.550	148	34.43	195	21.592	94	55.28	75
31	27.310	84	74.90	215	11.203	67	50.07	162	47.402	88	32.48	203	21.498	60	54.53	101
Apr. 10	27.226	40	72.75	243	11.136	26	48.45	189	47.314	18	30.45	206	21.438	19	53.52	124
20	27.186	9	70.32	264	11.110	20	46.56	212	47.296	54	28.39	198	21.419	25	52.28	146
30	27.195	60	67.68	282	11.130	67	44.44	231	47.350	126	26.41	183	21.444	70	50.82	167
Mai 10	27.255	110	64.86	293	11.197	113	42.13	245	47.476	198	24.58	161	21.514	115	49.15	185
20	27.365	159	61.93	297	11.310	157	39.68	254	47.674	263	22.97	134	21.629	159	47.30	198
30	27.524	203	58.96	294	11.467	200	37.14	257	47.937	322	21.63	102	21.788	197	45.32	207
Juni 9	27.727	243	56.02	284	11.667	234	34.57	254	48.259	372	20.61	67	21.985	232	43.25	212
19	27.970	275	53.18	267	11.901	264	32.03	244	48.631	412	19.94	30	22.217	259	41.13	210
29	28.245	301	50.51	242	12.165	287	29.59	227	49.043	441	19.64	8	22.476	280	39.03	203
Juli 9	28.546	319	48.09	211	12.452	301	27.32	205	49.484	460	19.72	44	22.756	294	37.00	190
19	28.865	328	45.98	173	12.753	309	25.27	175	49.944	467	20.16	79	23.050	301	35.10	172
29	29.193	329	44.25	130	13.062	308	23.52	141	50.411	466	20.95	112	23.351	300	33.38	148
Aug. 8	29.522	321	42.95	84	13.370	301	22.11	103	50.877	454	22.07	141	23.651	293	31.90	120
18	29.843	307	42.11	34	13.671	288	21.08	61	51.331	436	23.48	168	23.944	280	30.70	88
28	30.150	287	41.77	16	13.959	268	20.47	18	51.767	411	25.16	191	24.224	263	29.82	54
Sept. 7	30.437	261	41.93	66	14.227	245	20.29	26	52.178	379	27.07	208	24.487	241	29.28	19
17	30.698	229	42.59	113	14.472	217	20.55	67	52.557	343	29.15	223	24.728	216	29.09	16
27	30.927	195	43.72	155	14.689	187	21.22	107	52.900	303	31.38	233	24.944	189	29.25	50
Okt. 7	31.122	158	45.27	192	14.876	155	22.29	140	53.203	259	33.71	239	25.133	160	29.75	79
17	31.280	120	47.19	221	15.031	122	23.69	167	53.462	213	36.10	240	25.293	130	30.54	104
27	31.400	80	49.40	240	15.153	88	25.36	188	53.675	164	38.50	237	25.423	100	31.58	124
Nov. 5	[2] 31.480	41	51.80	250	[3] 15.241	53	27.24	200	[3] 53.839	113	40.87	228	[4] 25.523	69	32.82	139
15	31.521	2	54.30	250	15.294	20	29.24	205	53.952	59	43.15	215	25.592	37	34.21	146
25	31.523	36	56.80	241	15.314	13	31.29	200	54.011	4	45.30	195	25.629	6	35.67	148
Dez. 5	31.487	72	59.21	222	15.301	47	33.29	188	54.015	52	47.25	172	25.635	26	37.15	144
15	31.415	106	61.43	196	15.254	77	35.17	171	53.963	106	48.97	142	25.609	56	38.59	134
25	31.309	137	63.39	164	15.177	106	36.88	147	53.857	156	50.39	107	25.553	85	39.93	121
35	31.172		65.03		15.071		38.35		53.701		51.46		25.468		41.14	
Mittl. Ort	27.188		70.93		10.811		46.91		46.639		21.92		20.894		52.57	
sec δ, tg δ	1.188		−0.641		1.073		−0.389		1.643		+1.303		1.013		−0.161	
a, *a′*	+2.5		+15.0		+2.7		+14.9		+4.2		+14.8		+2.9		+14.6	
b, *b′*	−0.03		− 0.66		−0.02		− 0.67		+0.06		− 0.67		−0.01		− 0.69	

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Tag	106) ϑ Eridani				105) 47 H. Cephei				107) α Ceti				108) γ Persei			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1937	$2^h\ 55^m$		$-40°\ 32'$		$2^h\ 57^m$		$+79°\ 10'$		$2^h\ 58^m$		$+3°\ 50'$		$3^h\ 0^m$		$+53°\ 15'$	
Jan. 0	$53^s.960$	180	$90''.51$	155	$44^s.94$	77	$41''.49$	181	$60^s.896$	86	$40''.72$	77	$16^s.125$	175	$56''.74$	96
10	53.780	206	92.06	110	44.17	90	43.30	125	60.810	112	39.95	72	15.950	219	57.70	57
20	53.574	225	93.16	62	43.27	99	44.55	68	60.698	132	39.23	64	15.731	253	58.27	15
30	53.349	237	93.78	14	42.28	104	45.23	6	60.566	146	38.59	55	15.478	275	58.42	28
Febr. 9	53.112	240	93.92	35	41.24	104	45.29	54	60.420	153	38.04	45	15.203	283	58.14	70
19	52.872	233	93.57	82	40.20	100	44.75	112	60.267	151	37.59	34	14.920	275	57.44	109
März 1	52.639	217	92.75	127	39.20	91	43.63	165	60.116	141	37.25	20	14.645	253	56.35	142
11	52.422	192	91.48	169	38.29	78	41.98	210	59.975	120	37.05	4	14.392	215	54.93	170
21	52.230	157	89.79	206	37.51	62	39.88	247	59.855	93	37.01	13	14.177	165	53.23	191
31	52.073	116	87.73	240	36.89	43	37.41	273	59.762	57	37.14	31	14.012	104	51.32	203
Apr. 10	51.957	67	85.33	268	36.46	21	34.68	289	59.705	17	37.45	51	13.908	35	49.29	206
20	51.890	15	82.65	291	36.25	0	31.79	294	59.688	28	37.96	72	13.873	37	47.23	201
30	51.875	39	79.74	307	36.25	23	28.85	288	59.716	73	38.68	93	13.910	112	45.22	189
Mai 10	51.914	94	76.67	318	36.48	45	25.97	271	59.789	118	39.61	112	14.022	185	43.33	170
20	52.008	148	73.49	320	36.93	64	23.26	247	59.907	162	40.73	129	14.207	252	41.63	144
30	52.156	198	70.29	315	37.57	83	20.79	215	60.069	200	42.02	145	14.459	314	40.19	113
Juni 9	52.354	242	67.14	302	38.40	98	18.64	177	60.269	235	43.47	157	14.773	367	39.06	79
19	52.596	280	64.12	281	39.38	111	16.87	135	60.504	262	45.04	165	15.140	409	38.27	44
29	52.876	311	61.31	253	40.49	122	15.52	88	60.766	283	46.69	167	15.549	441	37.83	8
Juli 9	53.187	333	58.78	217	41.71	129	14.64	40	61.049	296	48.36	166	15.990	463	37.75	30
19	53.520	347	56.61	176	43.00	133	14.24	9	61.345	302	50.02	159	16.453	474	38.05	64
29	53.867	350	54.85	128	44.33	134	14.33	57	61.647	303	51.61	148	16.927	474	38.69	97
Aug. 8	54.217	347	53.57	77	45.67	133	14.90	104	61.950	295	53.09	131	17.401	466	39.66	128
18	54.564	334	52.80	23	47.00	130	15.94	148	62.245	284	54.40	112	17.867	449	40.94	155
28	54.898	313	52.57	32	48.30	123	17.42	190	62.529	267	55.52	90	18.316	426	42.49	178
Sept. 7	55.211	287	52.89	86	49.53	115	19.32	227	62.796	246	56.42	64	18.742	396	44.27	200
17	55.498	254	53.75	136	50.68	104	21.59	260	63.042	222	57.06	39	19.138	361	46.27	215
27	55.752	216	55.11	183	51.72	92	24.19	288	63.264	197	57.45	14	19.499	323	48.42	226
Okt. 7	55.968	175	56.94	221	52.64	77	27.07	310	63.461	171	57.59	9	19.822	280	50.68	234
17	56.143	132	59.15	252	53.41	62	30.17	326	63.632	142	57.50	31	20.102	233	53.02	238
27	[5] 56.275	88	61.67	272	[5] 54.03	44	33.43	335	[5] 63.774	112	57.19	49	20.335	184	55.40	236
Nov. 5*)	56.363	42	64.39	282	54.47	26	36.78	336	63.886	83	56.70	63	20.519	132	57.76	229
15	56.405	3	67.21	281	54.73	7	40.14	328	63.969	52	56.07	74	[6] 20.651	77	60.05	219
25	56.402	47	70.02	270	54.80	14	43.42	312	64.021	21	55.33	80	20.728	20	62.24	202
Dez. 5	56.355	88	72.72	249	54.66	33	46.54	287	64.042	10	54.53	84	20.748	39	64.26	179
15	56.267	128	75.21	218	54.33	51	49.41	252	64.032	42	53.69	84	20.709	95	66.05	151
25	56.139	162	77.39	182	53.82	69	51.93	210	63.990	73	52.85	81	20.614	149	67.56	119
35	55.977		79.21		53.13		54.03		63.917		52.04		20.465		68.75	
Mittl. Ort	52.199		82.55		37.60		21.39		58.998		37.08		13.178		40.41	
sec δ, tg δ	1.316		−0.856		5.323		+5.229		1.002		+0.067		1.672		+1.340	
a, a'	+2.3		+14.4		+8.0		+14.3		+3.1		+14.2		+4.3		+14.2	
b, b'	−0.04		− 0.69		+0.25		− 0.70		0.00		− 0.70		+0.06		− 0.71	

*) Bei Stern 108) lies Nov. 6.

Tag	109) ρ Persei AR.		109) ρ Persei Dekl.		110) μ Horologii AR.		110) μ Horologii Dekl.		111) β Persei AR.		111) β Persei Dekl.		114) δ Arietis AR.		114) δ Arietis Dekl.	
1937	$3^h\ 1^m$		+38° 35′		$3^h\ 2^m$		−59° 58′		$3^h\ 4^m$		+40° 42′		$3^h\ 8^m$		+19° 29′	
Jan. 0	10.308	115	64.18	42	9.448	339	65.22	160	6.178	119	64.97	53	3.430	83	30.74	25
10	10.193	149	64.60	15	9.109	375	66.82	106	6.059	155	65.50	23	3.347	113	30.49	35
20	10.044	177	64.75	— 14	8.734	401	67.88	49	5.904	183	65.73	— 8	3.234	136	30.14	43
30	9.867	195	64.61	43	8.333	414	68.37	— 9	5.721	203	65.65	38	3.098	154	29.71	52
Febr. 9	9.672	203	64.18	70	7.919	414	68.28	64	5.518	212	65.27	67	2.944	162	29.19	58
19	9.469	199	63.48	95	7.505	401	67.64	119	5.306	209	64.60	95	2.782	162	28.61	63
März 1	9.270	184	62.53	115	7.104	376	66.45	170	5.097	193	63.65	118	2.620	152	27.98	65
11	9.086	157	61.38	131	6.728	338	64.75	215	4.904	165	62.47	135	2.468	131	27.33	63
21	8.929	119	60.07	140	6.390	288	62.60	255	4.739	127	61.12	146	2.337	101	26.70	58
31	8.810	72	58.67	143	6.102	229	60.05	290	4.612	79	59.66	151	2.236	65	26.12	50
Apr. 10	8.738	20	57.24	139	5.873	162	57.15	318	4.533	25	58.15	149	2.171	21	25.62	37
20	8.718	— 37	55.85	129	5.711	88	53.97	339	4.508	— 34	56.66	140	2.150	— 26	25.25	21
30	8.755	96	54.56	113	5.623	11	50.58	352	4.542	94	55.26	125	2.176	75	25.04	3
Mai 10	8.851	153	53.43	93	5.612	— 68	47.06	357	4.636	152	54.01	105	2.251	123	25.01	— 17
20	9.004	206	52.50	67	5.680	145	43.49	354	4.788	207	52.96	80	2.374	168	25.18	39
30	9.210	254	51.83	41	5.825	219	39.95	342	4.995	258	52.16	53	2.542	211	25.57	59
Juni 9	9.464	296	51.42	12	6.044	287	36.53	323	5.253	301	51.63	24	2.753	246	26.16	79
19	9.760	330	51.30	— 17	6.331	347	33.30	294	5.554	335	51.39	— 5	2.999	276	26.95	96
29	10.090	354	51.47	46	6.678	397	30.36	258	5.889	361	51.44	35	3.275	298	27.91	111
Juli 9	10.444	371	51.93	72	7.075	437	27.78	214	6.250	379	51.79	63	3.573	313	29.02	123
19	10.815	378	52.65	96	7.512	464	25.64	165	6.629	388	52.42	89	3.886	321	30.25	130
29	11.193	379	53.61	117	7.976	479	23.99	109	7.017	388	53.31	111	4.207	321	31.55	134
Aug. 8	11.572	370	54.78	135	8.455	480	22.90	50	7.405	381	54.42	131	4.528	316	32.89	134
18	11.942	357	56.13	150	8.935	467	22.40	— 10	7.786	367	55.73	148	4.844	304	34.23	129
28	12.299	337	57.63	160	9.402	442	22.50	71	8.153	348	57.21	161	5.148	288	35.52	121
Sept. 7	12.636	313	59.23	168	9.844	404	23.21	131	8.501	324	58.82	170	5.436	268	36.73	112
17	12.949	286	60.91	171	10.248	357	24.52	186	8.825	297	60.52	176	5.704	245	37.85	99
27	13.235	256	62.62	172	10.605	300	26.38	234	9.122	266	62.28	179	5.949	221	38.84	86
Okt. 7	13.491	223	64.34	171	10.905	235	28.72	275	9.388	232	64.07	179	6.170	193	39.70	72
17	13.714	189	66.05	166	11.140	164	31.47	304	9.620	197	65.86	175	6.363	165	40.42	57
27	13.903	152	67.71	159	11.304	90	34.51	324	9.817	160	67.61	170	6.528	135	40.99	44
Nov. 6	[6] 14.055	113	69.30	149	[6] 11.394	15	37.75	330	[7] 9.977	119	69.31	161	[8] 6.663	104	41.43	31
16	14.168	73	70.79	137	11.409	— 59	41.05	324	10.096	77	70.92	149	6.767	71	41.74	20
26	14.241	31	72.16	122	11.350	131	44.29	307	10.173	34	72.41	134	6.838	37	41.94	9
Dez. 6	14.272	— 12	73.38	103	11.219	198	47.36	278	10.207	— 11	73.75	116	6.875	2	42.03	— 1
16	14.260	55	74.41	82	11.021	259	50.14	240	10.196	56	74.91	94	6.877	— 33	42.02	11
26	14.205	96	75.23	58	10.762	311	52.54	193	10.140	98	75.85	69	6.844	66	41.91	20
36	14.109		75.81		10.451		54.47		10.042		76.54		6.778		41.71	
Mittl. Ort	7.884		51.10		7.455		54.12		3.675		51.57		1.322		22.99	
sec δ, tg δ	1.279		+0.798		1.999		−1.731		1.319		+0.861		1.061		+0.354	
a, *a′*	+3.8		+14.1		+1.4		+14.0		+3.9		+13.9		+3.4		+13.7	
b, *b′*	+0.04		− 0.71		−0.08		− 0.71		+0.04		− 0.72		+0.02		− 0.73	

Scheinbare Sternörter 1937

Tag	117) 12 Eridani				115) 48 H. Cephei				120) α Persei				121) o Tauri			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1937	$3^h\ 9^m$		$-29°\ 13'$		$3^h\ 12^m$		$+77°\ 30'$		$3^h\ 19^m$		$+49°\ 38'$		$3^h\ 21^m$		$+8°\ 48'$	
Jan. 0	$25^s.398$	130	$69''.73$	155	$21^s.93$	61	$41''.37$	190	$51^s.765$	137	$32''.98$	97	$27^s.252$	73	$34''.34$	63
10	25.268	156	71.28	119	21.32	74	43.27	138	51.628	183	33.95	63	27.179	103	33.71	61
20	25.112	178	72.47	80	20.58	83	44.65	83	51.445	219	34.58	26	27.076	128	33.10	58
30	24.934	193	73.27	39	19.75	88	45.48	23	51.226	246	34.84	13	26.948	147	32.52	54
Febr. 9	24.741	199	73.66	2	18.87	90	45.71	37	50.980	259	34.71	51	26.801	157	31.98	49
19	24.542	197	73.64	44	17.97	88	45.34	94	50.721	259	34.20	87	26.644	160	31.49	42
März 1	24.345	187	73.20	83	17.09	81	44.40	148	50.462	243	33.33	119	26.484	152	31.07	34
11	24.158	166	72.37	121	16.28	71	42.92	194	50.219	214	32.14	146	26.332	134	30.73	23
21	23.992	137	71.16	157	15.57	58	40.98	233	50.005	171	30.68	167	26.198	109	30.50	11
31	23.855	100	69.59	189	14.99	41	38.65	262	49.834	118	29.01	180	26.089	75	30.39	4
Apr. 10	23.755	59	67.70	218	14.58	24	36.03	280	49.716	56	27.21	186	26.014	36	30.43	21
20	23.696	12	65.52	243	14.34	5	33.23	288	49.660	10	25.35	184	25.978	9	30.64	39
30	23.684	38	63.09	263	14.29	15	30.35	285	49.670	80	23.51	174	25.987	55	31.03	58
Mai 10	23.722	87	60.46	277	14.44	33	27.50	273	49.750	148	21.77	158	26.042	101	31.61	77
20	23.809	134	57.69	285	14.77	52	24.77	251	49.898	213	20.19	136	26.143	145	32.38	95
30	23.943	180	54.84	287	15.29	68	22.26	222	50.111	272	18.83	109	26.288	186	33.33	112
Juni 9	24.123	220	51.97	281	15.97	83	20.04	187	50.383	325	17.74	80	26.474	223	34.45	126
19	24.343	255	49.16	268	16.80	95	18.17	147	50.708	367	16.94	48	26.697	252	35.71	136
29	24.598	282	46.48	248	17.75	104	16.70	103	51.075	401	16.46	15	26.949	276	37.07	143
Juli 9	24.880	302	44.00	221	18.79	111	15.67	57	51.476	425	16.31	17	27.225	293	38.50	146
19	25.182	315	41.79	187	19.90	117	15.10	9	51.901	439	16.48	49	27.518	301	39.96	144
29	25.497	319	39.92	148	21.07	118	15.01	37	52.340	444	16.97	79	27.819	305	41.40	138
Aug. 8	25.816	316	38.44	104	22.25	118	15.38	84	52.784	440	17.76	107	28.124	302	42.78	127
18	26.132	307	37.40	57	23.43	116	16.22	127	53.224	429	18.83	131	28.426	292	44.05	112
28	26.439	291	36.83	7	24.59	111	17.49	169	53.653	411	20.14	152	28.718	280	45.17	95
Sept. 7	26.730	269	36.76	42	25.70	105	19.18	207	54.064	387	21.66	171	28.998	262	46.12	74
17	26.999	242	37.18	89	26.75	96	21.25	241	54.451	358	23.37	186	29.260	241	46.86	53
27	27.241	213	38.07	133	27.71	86	23.66	269	54.809	325	25.23	197	29.501	218	47.39	31
Okt. 7	27.454	180	39.40	172	28.57	74	26.35	294	55.134	289	27.20	204	29.719	194	47.70	11
17	27.634	145	41.12	203	29.31	61	29.29	312	55.423	248	29.24	209	29.913	167	47.81	8
27	27.779	108	43.15	227	29.92	47	32.41	323	55.671	204	31.33	209	30.080	138	47.73	25
Nov. 6	27.887	70	45.42	240	30.39	30	35.64	326	55.875	157	33.42	206	30.218	109	47.48	39
15	[8] 27.957	32	47.82	245	[9] 30.69	14	38.90	323	[11] 56.032	107	35.48	197	[11] 30.327	77	47.09	50
25	27.989	6	50.27	241	30.83	3	42.13	309	56.139	53	37.45	184	30.404	45	46.59	57
Dez. 5	27.983	43	52.68	226	30.80	21	45.22	288	56.192	2	39.29	167	30.449	11	46.02	62
15	27.940	79	54.94	204	30.59	38	48.10	257	56.190	57	40.96	144	30.460	23	45.40	64
25	27.861	113	56.98	177	30.21	53	50.67	217	56.133	110	42.40	116	30.437	57	44.76	64
35	27.748		58.75		29.68		52.84		56.023		43.56		30.380		44.12	
Mittl. Ort	23.586		64.32		15.04		22.56		48.819		18.72		25.203		30.05	
sec δ, tg δ	1.146		−0.560		4.622		+4.513		1.544		+1.177		1.012		+0.155	
a, *a′*	+2.5		+13.6		+7.6		+13.4		+4.3		+12.9		+3.2		+12.8	
b, *b′*	−0.03		− 0.74		+0.20		− 0.74		+0.05		− 0.77		+0.01		− 0.77	

Obere Kulmination Greenwich

Tag	122) 2 H Camelop.				125) f Tauri				127) ε Eridani [1])				131) δ Persei			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1937	$3^h\ 23^m$		$+59°\ 43'$		$3^h\ 27^m$		$+12°\ 43'$		$3^h\ 29^m$		$-9°\ 39'$		$3^h\ 38^m$		$+47°\ 35'$	
Jan. 0	$60^s.594$	195	$37''.61$	140	$25^s.603$	70	$24''.12$	48	$59^s.612$	85	$74''.85$	125	$28^s.782$	110	$28''.53$	101
10	60.399	253	39.01	99	25.533	101	23.64	50	59.527	114	76.10	105	28.672	158	29.54	71
20	60.146	301	40.00	54	25.432	127	23.14	50	59.413	138	77.15	83	28.514	199	30.25	37
30	59.845	334	40.54	8	25.305	147	22.64	51	59.275	157	77.98	59	28.315	229	30.62	2
Febr. 9	59.511	350	40.62	39	25.158	160	22.13	49	59.118	168	78.57	34	28.086	247	30.64	33
19	59.161	349	40.23	85	24.998	162	21.64	47	58.950	170	78.91	9	27.839	252	30.31	68
März 1	58.812	328	39.38	126	24.836	156	21.17	43	58.780	163	79.00	17	27.587	242	29.63	100
11	58.484	291	38.12	162	24.680	139	20.74	36	58.617	147	78.83	43	27.345	219	28.63	127
21	58.193	237	36.50	191	24.541	114	20.38	27	58.470	123	78.40	69	27.126	181	27.36	148
31	57.956	169	34.59	211	24.427	79	20.11	15	58.347	90	77.71	94	26.945	133	25.88	163
Apr. 10	57.787	92	32.48	224	24.348	40	19.96	0	58.257	52	76.77	118	26.812	76	24.25	171
20	57.695	7	30.24	227	24.308	4	19.96	16	58.205	10	75.59	142	26.736	13	22.54	171
30	57.688	79	27.97	221	24.312	52	20.12	33	58.195	36	74.17	162	26.723	53	20.83	165
Mai 10	57.767	165	25.76	208	24.364	98	20.45	53	58.231	81	72.55	180	26.776	119	19.18	152
20	57.932	248	23.68	187	24.462	144	20.98	71	58.312	126	70.75	194	26.895	183	17.66	134
30	58.180	323	21.81	161	24.606	186	21.69	88	58.438	167	68.81	205	27.078	242	16.32	110
Juni 9	58.503	389	20.20	130	24.792	222	22.57	104	58.605	204	66.76	209	27.320	294	15.22	85
19	58.892	445	18.90	94	25.014	253	23.61	117	58.809	235	64.67	209	27.614	339	14.37	56
29	59.337	489	17.96	58	25.267	277	24.78	126	59.044	261	62.58	202	27.953	374	13.81	26
Juli 9	59.826	521	17.38	21	25.544	295	26.04	132	59.305	279	60.56	191	28.327	401	13.55	4
19	60.347	542	17.17	18	25.839	305	27.36	134	59.584	290	58.65	173	28.728	419	13.59	33
29	60.889	551	17.35	55	26.144	309	28.70	130	59.874	295	56.92	150	29.147	427	13.92	60
Aug. 8	61.440	549	17.90	90	26.453	306	30.00	124	60.169	294	55.42	121	29.574	427	14.52	86
18	61.989	538	18.80	122	26.759	299	31.24	114	60.463	287	54.21	89	30.001	420	15.38	109
28	62.527	517	20.02	153	27.058	286	32.38	99	60.750	273	53.32	54	30.421	407	16.47	130
Sept. 7	63.044	489	21.55	180	27.344	268	33.37	83	61.023	257	52.78	18	30.828	388	17.77	146
17	63.533	455	23.35	202	27.612	249	34.20	65	61.280	237	52.60	18	31.216	362	19.23	161
27	63.988	413	25.37	222	27.861	227	34.85	47	61.517	213	52.78	53	31.578	334	20.84	173
Okt. 7	64.401	366	27.59	237	28.088	203	35.32	29	61.730	187	53.31	86	31.912	302	22.57	181
17	64.767	314	29.96	248	28.291	176	35.61	12	61.917	159	54.17	113	32.214	265	24.38	186
27	65.081	257	32.44	253	28.467	148	35.73	3	62.076	131	55.30	135	32.479	225	26.24	189
Nov. 6	65.338	194	34.97	254	28.615	118	35.70	17	62.207	99	56.65	151	32.704	181	28.13	187
15	65.532	127	37.51	248	28.733	87	35.53	27	62.306	67	58.16	161	32.885	133	30.00	182
25	65.659	56	39.99	237	28.820	53	35.26	34	62.373	33	59.77	163	33.018	81	31.82	173
Dez. 5	65.715	16	42.36	218	28.873	18	34.92	41	62.406	0	61.40	160	33.099	26	33.55	159
15	65.699	89	44.54	193	28.891	18	34.51	45	62.406	35	63.00	150	33.125	28	35.14	140
25	65.610	159	46.47	162	28.873	52	34.06	47	62.371	68	64.50	137	33.097	82	36.54	118
35	65.451		48.09		28.821		33.59		62.303		65.87		33.015		37.72	
Mittl. Ort	56.988		21.90		23.483		19.03		57.675		73.90		25.787		16.04	
sec δ, tg δ	1.983		+1.713		1.025		+0.226		1.014		−0.170		1.483		+1.095	
a, a'	+4.9		+12.6		+3.3		+12.4		+2.9		+12.2		+4.3		+11.6	
b, b'	+0.07		− 0.78		+0.01		− 0.79		−0.01		− 0.79		+0.04		− 0.82	

[1]) Die jährliche Parallaxe (0''.310) ist bereits berücksichtigt.

Scheinbare Sternörter 1937

Tag	134) ν Persei AR.		134) ν Persei Dekl.		141) β Reticuli AR.		141) β Reticuli Dekl.		138) 5 H. Camelop. AR.		138) 5 H. Camelop. Dekl.		139) η Tauri AR.		139) η Tauri Dekl.	
1937	$3^h 40^m$		$+42° 22'$		$3^h 43^m$		$-64° 59'$		$3^h 43^m$		$+71° 8'$		$3^h 43^m$		$+23° 54'$	
Jan. 0	$57^s.179$	93	$63''.34$	80	$26^s.62$	38	$89''.04$	211	$45^s.83$	31	$42''.07$	197	$46^s.478$	63	$49''.29$	1
10	57.086	136	64.14	54	26.24	44	91.15	159	45.52	41	44.04	154	46.415	99	49.28	10
20	56.950	175	64.68	25	25.80	48	92.74	103	45.11	50	45.58	105	46.316	131	49.18	22
30	56.775	203	64.93	5	25.32	51	93.77	45	44.61	54	46.63	53	46.185	155	48.96	33
Febr. 9	56.572	222	64.88	35	24.81	52	94.22	13	44.07	58	47.16	3	46.030	172	48.63	44
19	56.350	227	64.53	64	24.29	53	94.09	69	43.49	59	47.13	57	45.858	177	48.19	53
März 1	56.123	219	63.89	92	23.76	51	93.40	122	42.90	56	46.56	109	45.681	173	47.66	61
11	55.904	198	62.97	113	23.25	47	92.18	173	42.34	51	45.47	156	45.508	157	47.05	66
21	55.706	165	61.84	131	22.78	43	90.45	219	41.83	44	43.91	195	45.351	132	46.39	67
31	55.541	122	60.53	143	22.35	36	88.26	258	41.39	34	41.96	227	45.219	97	45.72	65
Apr. 10	55.419	69	59.10	147	21.99	29	85.68	292	41.05	22	39.69	250	45.122	56	45.07	59
20	55.350	12	57.63	146	21.70	22	82.76	320	40.83	9	37.19	263	45.066	9	44.48	48
30	55.338	49	56.17	138	21.48	12	79.56	340	40.74	3	34.56	265	45.057	41	44.00	35
Mai 10	55.387	110	54.79	124	21.36	4	76.16	352	40.77	16	31.91	259	45.098	91	43.65	19
20	55.497	169	53.55	106	21.32	6	72.64	356	40.93	29	29.32	245	45.189	139	43.46	1
30	55.666	223	52.49	85	21.38	15	69.08	351	41.22	41	26.87	223	45.328	185	43.45	18
Juni 9	55.889	271	51.64	60	21.53	23	65.57	339	41.63	52	24.64	193	45.513	225	43.63	38
19	56.160	313	51.04	33	21.76	32	62.18	316	42.15	61	22.71	160	45.738	259	44.01	55
29	56.473	346	50.71	7	22.08	38	59.02	285	42.76	68	21.11	122	45.997	286	44.56	71
Juli 9	56.819	370	50.64	20	22.46	45	56.17	247	43.44	74	19.89	81	46.283	307	45.27	85
19	57.189	387	50.84	46	22.91	49	53.70	201	44.18	79	19.08	40	46.590	320	46.12	95
29	57.576	394	51.30	68	23.40	53	51.69	148	44.97	82	18.68	3	46.910	327	47.07	103
Aug. 8	57.970	395	51.98	90	23.93	55	50.21	90	45.79	82	18.71	45	47.237	327	48.10	107
18	58.365	388	52.88	108	24.48	55	49.31	29	46.61	82	19.16	85	47.564	321	49.17	108
28	58.753	376	53.96	124	25.03	54	49.02	34	47.43	80	20.01	125	47.885	310	50.25	106
Sept. 7	59.129	358	55.20	137	25.57	51	49.36	96	48.23	77	21.26	160	48.195	296	51.31	100
17	59.487	336	56.57	146	26.08	47	50.32	157	49.00	72	22.86	194	48.491	277	52.31	93
27	59.823	310	58.03	154	26.55	41	51.89	211	49.72	67	24.80	223	48.768	256	53.24	85
Okt. 7	60.133	281	59.57	158	26.96	34	54.00	260	50.39	60	27.03	248	49.024	233	54.09	75
17	60.414	248	61.15	160	27.30	27	56.60	297	50.99	51	29.51	269	49.257	206	54.84	65
27	60.662	212	62.75	161	27.57	19	59.57	326	51.50	43	32.20	283	49.463	177	55.49	57
Nov. 6	60.874	172	64.36	158	27.76	9	62.83	341	51.93	33	35.03	292	49.640	147	56.06	47
16	61.046	128	65.94	152	27.85	0	66.24	345	52.26	22	37.95	294	49.787	112	56.53	39
25	$_{16}$61.174	82	67.46	143	$_{17}$27.85	9	69.69	335	$_{17}$52.48	10	40.89	288	$_{17}$49.899	76	56.92	30
Dez. 5	61.256	34	68.89	131	27.76	18	73.04	314	52.58	1	43.77	273	49.975	37	57.22	23
15	61.290	17	70.20	114	27.58	27	76.18	282	52.57	14	46.50	251	50.012	2	57.45	15
25	61.273	67	71.34	94	27.31	33	79.00	240	52.43	25	49.01	221	50.010	43	57.60	5
35	61.206		72.28		26.98		81.40		52.18		51.22		49.967		57.65	
Mittl. Ort	54.373		52.03		24.15		78.45		40.39		26.56		44.119		42.20	
sec δ, tg δ	1.354		+0.912		2.367		−2.145		3.094		+2.928		1.094		+0.443	
a, *a′*	+4.1		+11.4		+0.7		+11.3		+6.3		+11.2		+3.6		+11.2	
b, *b′*	+0.03		− 0.82		−0.08		− 0.83		+0.11		− 0.83		+0.02		− 0.83	

Tag	140) τ^6 Eridani AR.		Dekl.		143) g Eridani AR.		Dekl.		146) γ Hydri AR.		Dekl.		144) ζ Persei AR.		Dekl.	
1937	$3^h\ 44^m$		$-23°\ 25'$		$3^h\ 47^m$		$-36°\ 22'$		$3^h\ 48^m$		$-74°\ 25'$		$3^h\ 50^m$		$+31°\ 41'$	
Jan. 0	10.131	96	68.97	173	7.770	132	91.31	201	14.83	66	68.38	207	12.558	65	61.53	36
10	10.035	129	70.70	143	7.638	167	93.32	162	14.17	75	70.45	155	12.493	105	61.89	20
20	9.906	156	72.13	110	7.471	197	94.94	119	13.42	82	72.00	98	12.388	140	62.09	2
30	9.750	178	73.23	73	7.274	219	96.13	73	12.60	86	72.98	40	12.248	168	62.11	17
Febr. 9	9.572	191	73.96	36	7.055	234	96.86	26	11.74	88	73.38	18	12.080	186	61.94	35
19	9.381	195	74.32	2	6.821	238	97.12	20	10.86	87	73.20	75	11.894	194	61.59	54
März 1	9.186	191	74.30	39	6.583	232	96.92	66	9.99	85	72.45	128	11.700	189	61.05	70
11	8.995	177	73.91	75	6.351	217	96.26	109	9.14	79	71.17	178	11.511	174	60.35	83
21	8.818	153	73.16	110	6.134	191	95.17	150	8.35	72	69.39	223	11.337	147	59.52	92
31	8.665	122	72.06	142	5.943	156	93.67	188	7.63	63	67.16	262	11.190	111	58.60	96
Apr. 10	8.543	84	70.64	172	5.787	115	91.79	221	7.00	53	64.54	295	11.079	66	57.64	95
20	8.459	40	68.92	199	5.672	69	89.58	251	6.47	40	61.59	321	11.013	16	56.69	90
30	8.419	5	66.93	223	5.603	17	87.07	274	6.07	27	58.38	341	10.997	36	55.79	80
Mai 10	8.424	54	64.70	240	5.586	35	84.33	291	5.80	13	54.97	351	11.033	90	54.99	66
20	8.478	101	62.30	253	5.621	88	81.42	303	5.67	0	51.46	355	11.123	142	54.33	49
30	8.579	145	59.77	260	5.709	138	78.39	306	5.67	15	47.91	349	11.265	190	53.84	29
Juni 9	8.724	186	57.17	261	5.847	185	75.33	302	5.82	28	44.42	335	11.455	234	53.55	9
19	8.910	223	54.56	255	6.032	226	72.31	290	6.10	41	41.07	312	11.689	271	53.46	12
29	9.133	252	52.01	241	6.258	262	69.41	270	6.51	53	37.95	281	11.960	301	53.58	33
Juli 9	9.385	276	49.60	221	6.520	290	66.71	243	7.04	63	35.14	242	12.261	324	53.91	51
19	9.661	293	47.39	194	6.810	312	64.28	208	7.67	70	32.72	194	12.585	339	54.42	68
29	9.954	301	45.45	161	7.122	325	62.20	167	8.37	77	30.78	142	12.924	347	55.10	82
Aug. 8	10.255	305	43.84	122	7.447	331	60.53	120	9.14	81	29.36	84	13.271	349	55.92	93
18	10.560	301	42.62	80	7.778	328	59.33	69	9.95	82	28.52	23	13.620	344	56.85	102
28	10.861	291	41.82	34	8.106	320	58.64	14	10.77	81	28.29	41	13.964	333	57.87	107
Sept. 7	11.152	276	41.48	14	8.426	304	58.50	40	11.58	77	28.70	102	14.297	320	58.94	110
17	11.428	257	41.62	59	8.730	282	58.90	94	12.35	71	29.72	163	14.617	301	60.04	111
27	11.685	234	42.21	104	9.012	255	59.84	144	13.06	62	31.35	217	14.918	280	61.15	109
Okt. 7	11.919	206	43.25	145	9.267	223	61.28	190	13.68	52	33.52	264	15.198	255	62.24	106
17	12.125	178	44.70	178	9.490	188	63.18	229	14.20	39	36.16	302	15.453	228	63.30	102
27	12.303	145	46.48	206	9.678	150	65.47	257	14.59	25	39.18	329	15.681	198	64.32	98
Nov. 6	12.448	110	48.54	224	9.828	108	68.04	277	14.84	11	42.47	344	15.879	164	65.30	92
16	12.558	75	50.78	235	9.936	65	70.81	287	14.95	5	45.91	346	16.043	127	66.22	85
25	17 12.633	37	53.13	236	18 10.001	21	73.68	285	18 14.90	20	49.37	336	18 16.170	88	67.07	78
Dez. 5	12.670	1	55.49	228	10.022	23	76.53	273	14.70	34	52.73	314	16.258	45	67.85	69
15	12.669	40	57.77	212	9.999	68	79.26	252	14.36	47	55.87	280	16.303	2	68.54	58
25	12.629	76	59.89	191	9.931	109	81.78	224	13.89	60	58.67	238	16.305	40	69.12	45
35	12.553		61.80		9.822		84.02		13.29		61.05		16.265		69.57	
Mittl. Ort	8.163		64.80		5.772		84.60		11.60		57.36		10.009		53.08	
sec δ, tg δ	1.090		−0.433		1.242		−0.737		3.726		−3.590		1.175		+0.618	
a, a'	+2.6		+11.2		+2.2		+11.0		−1.0		+10.9		+3.8		+10.8	
b, b'	−0.02		− 0.83		−0.03		− 0.84		−0.13		− 0.84		+0.02		− 0.84	

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Tag	145) 9 H. Camelop. AR.		145) Dekl.		147) ε Persei AR.		147) Dekl.		148) ξ Persei AR.		148) Dekl.		149) γ Eridani AR.		149) Dekl.	
1937	$3^h\ 51^m$		$+60°\ 55'$		$3^h\ 53^m$		$+39°\ 49'$		$3^h\ 54^m$		$+35°\ 36'$		$3^h\ 55^m$		$-13°\ 40'$	
Jan. 0	48.92	16	48.43	165	39.970	75	56.33	75	54.983	66	49.92	56	7.365	71	74.05	151
10	48.76	24	50.08	129	39.895	120	57.08	52	54.917	109	50.48	37	7.294	104	75.56	129
20	48.52	29	51.37	87	39.775	159	57.60	28	54.808	147	50.85	16	7.190	134	76.85	103
30	48.23	34	52.24	41	39.616	190	57.88	1	54.661	176	51.01	7	7.056	156	77.88	76
Febr. 9	47.89	36	52.65	5	39.426	210	57.89	27	54.485	196	50.94	29	6.900	173	78.64	46
19	47.53	37	52.60	52	39.216	219	57.62	53	54.289	205	50.65	51	6.727	179	79.10	17
März 1	47.16	37	52.08	97	38.997	214	57.09	78	54.084	202	50.14	72	6.548	177	79.27	12
11	46.79	33	51.11	135	38.783	197	56.31	99	53.882	185	49.42	89	6.371	165	79.15	42
21	46.46	28	49.76	170	38.586	168	55.32	116	53.697	158	48.53	102	6.206	145	78.73	71
31	46.18	22	48.06	197	38.418	128	54.16	126	53.539	121	47.51	110	6.061	115	78.02	99
Apr. 10	45.96	15	46.09	215	38.290	79	52.90	132	53.418	75	46.41	112	5.946	79	77.03	126
20	45.81	6	43.94	225	38.211	25	51.58	131	53.343	23	45.29	110	5.867	38	75.77	150
30	45.75	3	41.69	226	38.186	33	50.27	125	53.320	32	44.19	102	5.829	7	74.27	173
Mai 10	45.78	12	39.43	219	38.219	92	49.02	113	53.352	87	43.17	89	5.836	52	72.54	192
20	45.90	20	37.24	205	38.311	150	47.89	96	53.439	142	42.28	73	5.888	97	70.62	207
30	46.10	29	35.19	184	38.461	203	46.93	78	53.581	193	41.55	54	5.985	141	68.55	217
Juni 9	46.39	36	33.35	158	38.664	250	46.15	54	53.774	238	41.01	33	6.126	180	66.38	223
19	46.75	42	31.77	127	38.914	292	45.61	31	54.012	278	40.68	11	6.306	214	64.15	222
29	47.17	47	30.50	94	39.206	326	45.30	7	54.290	309	40.57	12	6.520	244	61.93	215
Juli 9	47.64	52	29.56	59	39.532	351	45.23	17	54.599	334	40.69	32	6.764	266	59.78	202
19	48.16	55	28.97	23	39.883	369	45.40	40	54.933	351	41.01	51	7.030	282	57.76	182
29	48.71	56	28.74	14	40.252	379	45.80	60	55.284	361	41.52	69	7.312	291	55.94	157
Aug. 8	49.27	57	28.88	50	40.631	382	46.40	79	55.645	362	42.21	84	7.603	295	54.37	127
18	49.84	57	29.38	83	41.013	377	47.19	95	56.007	359	43.05	96	7.898	293	53.10	92
28	50.41	56	30.21	114	41.390	368	48.14	109	56.366	350	44.01	106	8.191	284	52.18	54
Sept. 7	50.97	53	31.35	144	41.758	353	49.23	119	56.716	335	45.07	112	8.475	273	51.64	14
17	51.50	50	32.79	171	42.111	334	50.42	128	57.051	318	46.19	116	8.748	255	51.50	26
27	52.00	47	34.50	193	42.445	310	51.70	134	57.369	296	47.35	119	9.003	235	51.76	66
Okt. 7	52.47	43	36.43	213	42.755	284	53.04	137	57.665	270	48.54	119	9.238	213	52.42	101
17	52.90	37	38.56	229	43.039	255	54.41	139	57.935	243	49.73	118	9.451	186	53.43	133
27	53.27	32	40.85	240	43.294	220	55.80	140	58.178	211	50.91	116	9.637	158	54.76	158
Nov. 6	53.59	26	43.25	246	43.514	184	57.20	137	58.389	176	52.07	113	9.795	128	56.34	177
16	[19] 53.85	19	45.71	247	[19] 43.698	142	58.57	134	[20] 58.565	138	53.20	108	[20] 9.923	94	58.11	189
25	54.04	11	48.18	242	43.840	97	59.91	126	58.703	96	54.28	101	10.017	59	60.00	192
Dez. 5	54.15	3	50.60	230	43.937	50	61.17	116	58.799	52	55.29	92	10.076	23	61.92	189
15	54.18	4	52.90	210	43.987	1	62.33	104	58.851	4	56.21	80	10.099	15	63.81	180
25	54.14	12	55.00	184	43.988	49	63.37	86	58.855	42	57.01	66	10.084	51	65.61	163
35	54.02		56.84		43.939		64.23		58.813		57.67		10.033		67.24	
Mittl. Ort	44.93		34.87		37.175		46.45		52.309		40.97		5.331		71.91	
sec δ, tg δ	2.058		+1.799		1.302		+0.834		1.230		+0.716		1.029		−0.244	
a, *a'*	+5.1		+10.6		+4.0		+10.5		+3.9		+10.4		+2.8		+10.4	
b, *b'*	+0.06		− 0.85		+0.03		− 0.85		+0.02		− 0.85		−0.01		− 0.86	

Tag	150) λ Tauri				151) ν Tauri				152) c Persei				154) o^1 Eridani			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1937	$3^h\ 57^m$		+12° 18′		$3^h\ 59^m$		+5° 48′		$4^h\ 4^m$		+47° 32′		$4^h\ 8^m$		−6° 59′	
Jan. 0	13.454 s	51	52.99″	50	50.350 s	51	58.76″	79	7.970 s	82	56.47″	115	49.455 s	53	63.24″	133
10	13.403	86	52.49	50	50.299	85	57.97	72	7.888	136	57.62	88	49.402	89	64.57	116
20	13.317	117	51.99	48	50.214	116	57.25	65	7.752	182	58.50	59	49.313	120	65.73	96
30	13.200	142	51.51	46	50.098	141	56.60	56	7.570	219	59.09	26	49.193	146	66.69	75
Febr. 9	13.058	160	51.05	44	49.957	158	56.04	46	7.351	245	59.35	9	49.047	164	67.44	52
19	12.898	168	50.61	41	49.799	167	55.58	36	7.106	256	59.26	43	48.883	174	67.96	28
März 1	12.730	167	50.20	37	49.632	166	55.22	25	6.850	253	58.83	76	48.709	173	68.24	5
11	12.563	154	49.83	30	49.466	154	54.97	13	6.597	235	58.07	105	48.536	164	68.29	20
21	12.409	134	49.53	22	49.312	134	54.84	1	6.362	204	57.02	129	48.372	146	68.09	43
31	12.275	102	49.31	12	49.178	105	54.85	16	6.158	161	55.73	148	48.226	118	67.66	68
Apr. 10	12.173	66	49.19	0	49.073	69	55.01	32	5.997	106	54.25	160	48.108	83	66.98	91
20	12.107	23	49.19	15	49.004	27	55.33	50	5.891	46	52.65	165	48.025	44	66.07	113
30	12.084	23	49.34	31	48.977	17	55.83	67	5.845	18	51.00	164	47.981	0	64.94	135
Mai 10	12.107	70	49.65	47	48.994	63	56.50	84	5.863	84	49.36	156	47.981	45	63.59	153
20	12.177	115	50.12	63	49.057	108	57.34	101	5.947	149	47.80	142	48.026	90	62.06	170
30	12.292	159	50.75	80	49.165	150	58.35	116	6.096	210	46.38	125	48.116	132	60.36	182
Juni 9	12.451	198	51.55	94	49.315	189	59.51	127	6.306	265	45.13	102	48.248	172	58.54	191
19	12.649	231	52.49	106	49.504	222	60.78	137	6.571	313	44.11	77	48.420	206	56.63	192
29	12.880	259	53.55	114	49.726	250	62.15	141	6.884	352	43.34	51	48.626	235	54.71	190
Juli 9	13.139	280	54.69	119	49.976	271	63.56	141	7.236	384	42.83	23	48.861	259	52.81	183
19	13.419	294	55.88	121	50.247	287	64.97	137	7.620	407	42.60	4	49.120	275	50.98	169
29	13.713	303	57.09	117	50.534	295	66.34	129	8.027	421	42.64	30	49.395	287	49.29	149
Aug. 8	14.016	305	58.26	110	50.829	297	67.63	116	8.448	426	42.94	55	49.682	291	47.80	125
18	14.321	301	59.36	100	51.126	295	68.79	98	8.874	425	43.49	78	49.973	290	46.55	97
28	14.622	294	60.36	86	51.421	288	69.77	78	9.299	417	44.27	99	50.263	285	45.58	64
Sept. 7	14.916	281	61.22	69	51.709	276	70.55	55	9.716	402	45.26	116	50.548	274	44.94	29
17	15.197	266	61.91	51	51.985	261	71.10	32	10.118	384	46.42	133	50.822	261	44.65	6
27	15.463	247	62.42	33	52.246	242	71.42	7	10.502	360	47.75	146	51.083	243	44.71	40
Okt. 7	15.710	227	62.75	15	52.488	222	71.49	15	10.862	331	49.21	157	51.326	222	45.11	72
17	15.937	203	62.90	2	52.710	199	71.34	37	11.193	298	50.78	166	51.548	199	45.83	102
27	16.140	176	62.88	16	52.909	173	70.97	54	11.491	260	52.44	171	51.747	173	46.85	125
Nov. 6	16.316	148	62.72	28	53.082	145	70.43	68	11.751	218	54.15	174	51.920	145	48.10	144
16	[20] 16.464	116	62.44	38	[21] 53.227	113	69.75	78	[22] 11.969	170	55.89	174	[23] 52.065	112	49.54	155
25	16.580	82	62.06	44	53.340	80	68.97	84	12.139	119	57.63	169	52.177	79	51.09	161
Dez. 5	16.662	46	61.62	48	53.420	44	68.13	87	12.258	64	59.32	161	52.256	42	52.70	160
15	16.708	7	61.14	50	53.464	7	67.26	86	12.322	6	60.93	147	52.298	4	54.30	154
25	16.715	30	60.64	51	53.471	30	66.40	82	12.328	52	62.40	128	52.302	33	55.84	142
35	16.685		60.13		53.441		65.58		12.276		63.68		52.269		57.26	
Mittl. Ort	11.208		49.27		48.166		56.62		4.808		46.00		47.339		62.30	
sec δ, tg δ	1.024		+0.218		1.005		+0.102		1.481		+1.093		1.008		−0.123	
a, *a′*	+3.3		+10.2		+3.2		+10.0		+4.4		+9.7		+2.9		+9.3	
b, *b′*	+0.01		− 0.86		0.00		− 0.87		+0.04		−0.87		0.00		−0.88	

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Tag	155) α Horologii AR.		155) α Horologii Dekl.		156) α Reticuli AR.		156) α Reticuli Dekl.	
1937	$4^h\ 11^m$		$-42°\ 26'$		$4^h\ 13^m$		$-62°\ 37'$	
Jan. 0	56.825	138	63.88	234	39.04	31	61.65	248
10	56.687	180	66.22	194	38.73	36	64.13	201
20	56.507	217	68.16	149	38.37	42	66.14	149
30	56.290	245	69.65	100	37.95	46	67.63	93
Febr. 9	56.045	265	70.65	50	37.49	48	68.56	36
19	55.780	275	71.15	0	37.01	49	68.92	20
März 1	55.505	272	71.15	49	36.52	49	68.72	75
11	55.233	259	70.66	97	36.03	46	67.97	128
21	54.974	236	69.69	141	35.57	42	66.69	177
31	54.738	203	68.28	183	35.15	38	64.92	220
Apr. 10	54.535	162	66.45	221	34.77	32	62.72	259
20	54.373	115	64.24	252	34.45	25	60.13	292
30	54.258	61	61.72	280	34.20	17	57.21	318
Mai 10	54.197	6	58.92	299	34.03	8	54.03	337
20	54.191	50	55.93	314	33.95	0	50.66	347
30	54.241	106	52.79	319	33.95	8	47.19	350
Juni 9	54.347	157	49.60	317	34.03	17	43.69	344
19	54.504	206	46.43	307	34.20	24	40.25	328
29	54.710	248	43.36	288	34.44	31	36.97	304
Juli 9	54.958	283	40.48	261	34.75	38	33.93	271
19	55.241	312	37.87	226	35.13	43	31.22	229
29	55.553	333	35.61	184	35.56	47	28.93	181
Aug. 8	55.886	345	33.77	135	36.03	49	27.12	127
18	56.231	350	32.42	82	36.52	51	25.85	67
28	56.581	346	31.60	25	37.03	51	25.18	4
Sept. 7	56.927	334	31.35	34	37.54	49	25.14	59
17	57.261	316	31.69	91	38.03	47	25.73	122
27	57.577	291	32.60	146	38.50	42	26.95	181
Okt. 7	57.868	260	34.06	197	38.92	37	28.76	234
17	58.128	224	36.03	240	39.29	31	31.10	279
27	58.352	183	38.43	274	39.60	23	33.89	314
Nov. 6	58.535	138	41.17	298	39.83	16	37.03	338
16	58.673	91	44.15	312	39.99	7	40.41	349
25*)	^{24}58.764	40	47.27	314	^{24}40.06	1	43.90	348
Dez. 5	58.804	11	50.41	304	40.05	10	47.38	334
15	58.793	61	53.45	285	39.95	19	50.72	309
25	58.732	110	56.30	256	39.76	26	53.81	275
35	58.622		58.86		39.50		56.56	
Mittl. Ort	54.681		56.55		36.45		52.19	
sec δ, tg δ	1.355		−0.915		2.175		−1.932	
a, *a′*	+2.0		+9.1		+0.8		+9.0	
b, *b′*	−0.03		−0.89		−0.06		−0.89	

Tag	160) υ⁴ Eridani AR.		160) υ⁴ Eridani Dekl.		162) δ Tauri AR.		162) δ Tauri Dekl.	
1937	$4^h\ 15^m$		$-33°\ 56'$		$4^h\ 19^m$		$+17°\ 23'$	
Jan. 0	32.593	102	70.66	221	20.327	33	50.15	26
10	32.491	141	72.87	185	20.294	74	49.89	29
20	32.350	176	74.72	146	20.220	109	49.60	30
30	32.174	205	76.18	102	20.111	138	49.30	33
Febr. 9	31.969	223	77.20	57	19.973	161	48.97	35
19	31.746	234	77.77	12	19.812	173	48.62	38
März 1	31.512	234	77.89	33	19.639	176	48.24	38
11	31.278	223	77.56	77	19.463	167	47.86	38
21	31.055	202	76.79	119	19.296	148	47.48	35
31	30.853	173	75.60	157	19.148	119	47.13	31
Apr. 10	30.680	136	74.03	193	19.029	84	46.82	23
20	30.544	92	72.10	224	18.945	41	46.59	13
30	30.452	44	69.86	251	18.904	4	46.46	1
Mai 10	30.408	6	67.35	272	18.908	52	46.45	12
20	30.414	58	64.63	287	18.960	99	46.57	28
30	30.472	108	61.76	294	19.059	144	46.85	42
Juni 9	30.580	154	58.82	296	19.203	184	47.27	57
19	30.734	197	55.86	289	19.387	221	47.84	69
29	30.931	234	52.97	273	19.608	251	48.53	80
Juli 9	31.165	266	50.24	251	19.859	275	49.33	88
19	31.431	290	47.73	220	20.134	293	50.21	93
29	31.721	308	45.53	183	20.427	304	51.14	94
Aug. 8	32.029	318	43.70	139	20.731	310	52.08	92
18	32.347	321	42.31	90	21.041	310	53.00	86
28	32.668	318	41.41	38	21.351	305	53.86	78
Sept. 7	32.986	308	41.03	16	21.656	296	54.64	66
17	33.294	292	41.19	71	21.952	284	55.30	53
27	33.586	271	41.90	122	22.236	269	55.83	41
Okt. 7	33.857	245	43.12	170	22.505	249	56.24	27
17	34.102	215	44.82	212	22.754	228	56.51	14
27	34.317	180	46.94	246	22.982	203	56.65	3
Nov. 6	34.497	143	49.40	269	23.185	176	56.68	7
16	34.640	101	52.09	284	23.361	143	56.61	13
25*)	^{25}34.741	57	54.93	288	23.504	109	56.48	18
Dez. 5	34.798	13	57.81	281	^{26}23.613	71	56.30	22
15	34.811	32	60.62	265	23.684	30	56.08	25
25	34.779	78	63.27	240	23.714	12	55.83	25
35	34.701		65.67		23.702		55.58	
Mittl. Ort	30.488		64.64		17.926		46.41	
sec δ, tg δ	1.206		−0.673		1.048		+0.313	
a, *a′*	+2.3		+8.8		+3.5		+8.5	
b, *b′*	−0.02		−0.90		+0.01		−0.91	

*) Bei Stern 162) lies Nov. 26.

Tag		164) ε Tauri AR.	Δ	164) ε Tauri Dekl.	Δ	168) α Tauri AR.	Δ	168) α Tauri Dekl.	Δ
1937		$4^h\ 24^m$		$+19°\ 2'$		$4^h\ 32^m$		$+16°\ 23'$	
		s		″		s		″	
Jan.	0	58.564	29	35.92	19	20.618	24	5.89	32
	10	58.535	70	35.73	21	20.594	64	5.57	32
	20	58.465	107	35.52	24	20.530	101	5.25	32
	30	58.358	138	35.28	27	20.429	134	4.93	33
Febr.	9	58.220	161	35.01	32	20.295	158	4.60	34
	19	58.059	175	34.69	36	20.137	173	4.26	34
März	1	57.884	178	34.33	38	19.964	177	3.92	34
	11	57.706	171	33.95	39	19.787	170	3.58	33
	21	57.535	152	33.56	39	19.617	154	3.25	30
	31	57.383	124	33.17	36	19.463	128	2.95	25
Apr.	10	57.259	88	32.81	30	19.335	93	2.70	18
	20	57.171	47	32.51	21	19.242	52	2.52	8
	30	57.124	0	32.30	11	19.190	8	2.44	3
Mai	10	57.124	47	32.19	2	19.182	39	2.47	15
	20	57.171	95	32.21	16	19.221	85	2.62	30
	30	57.266	140	32.37	31	19.306	130	2.92	44
Juni	9	57.406	182	32.68	44	19.436	172	3.36	56
	19	57.588	218	33.12	58	19.608	209	3.92	69
	29	57.806	249	33.70	70	19.817	240	4.61	78
Juli	9	58.055	275	34.40	78	20.057	265	5.39	85
	19	58.330	293	35.18	84	20.322	285	6.24	88
	29	58.623	305	36.02	86	20.607	297	7.12	89
Aug.	8	58.928	312	36.88	85	20.904	305	8.01	86
	18	59.240	312	37.73	82	21.209	307	8.87	79
	28	59.552	309	38.55	74	21.516	305	9.66	69
Sept.	7	59.861	301	39.29	65	21.821	298	10.35	57
	17	60.162	289	39.94	54	22.119	288	10.92	44
	27	60.451	274	40.48	42	22.407	274	11.36	29
Okt.	7	60.725	257	40.90	31	22.681	256	11.65	16
	17	60.982	235	41.21	19	22.937	237	11.81	2
	27	61.217	210	41.40	9	23.174	214	11.83	9
Nov.	6	61.427	183	41.49	1	23.388	186	11.74	18
	16	61.610	151	41.50	5	23.574	156	11.56	25
	26	61.761	116	41.45	10	23.730	121	11.31	29
Dez.	5	[27]61.877	78	41.35	13	[29]23.851	83	11.02	31
	15	61.955	36	41.22	15	23.934	42	10.71	33
	25	61.991	7	41.07	17	23.976	1	10.38	33
	35	61.984		40.90		23.975		10.05	
Mittl. Ort		56.116		32.16		18.187		3.03	
sec δ, tg δ		1.058		+0.345		1.042		+0.294	
a, *a′*		+3.5		+8.1		+3.4		+7.5	
b, *b′*		+0.01		−0.92		+0.01		−0.93	

Tag		171) α Doradus AR.	Δ	171) α Doradus Dekl.	Δ	169) ν Eridani AR.	Δ	169) ν Eridani Dekl.	Δ
1937		$4^h\ 32^m$		$-55°\ 10'$		$4^h\ 33^m$		$-3°\ 28'$	
		s		″		s		″	
Jan.	0	40.538	196	36.35	268	12.409	33	48.67	128
	10	40.342	253	39.03	225	12.376	71	49.95	112
	20	40.089	302	41.28	177	12.305	106	51.07	96
	30	39.787	341	43.05	124	12.199	135	52.03	77
Febr.	9	39.446	368	44.29	70	12.064	158	52.80	58
	19	39.078	382	44.99	15	11.906	173	53.38	37
März	1	38.696	383	45.14	39	11.733	176	53.75	17
	11	38.313	372	44.75	92	11.557	170	53.92	5
	21	37.941	347	43.83	141	11.387	155	53.87	26
	31	37.594	310	42.42	187	11.232	131	53.61	47
Apr.	10	37.284	262	40.55	228	11.101	99	53.14	68
	20	37.022	207	38.27	264	11.002	60	52.46	89
	30	36.815	145	35.63	294	10.942	19	51.57	109
Mai	10	36.670	78	32.69	317	10.923	25	50.48	127
	20	36.592	8	29.52	333	10.948	70	49.21	143
	30	36.584	61	26.19	340	11.018	113	47.78	157
Juni	9	36.645	129	22.79	339	11.131	152	46.21	166
	19	36.774	193	19.40	329	11.283	189	44.55	171
	29	36.967	252	16.11	310	11.472	219	42.84	171
Juli	9	37.219	303	13.01	282	11.691	245	41.13	166
	19	37.522	347	10.19	246	11.936	265	39.47	156
	29	37.869	382	7.73	201	12.201	278	37.91	141
Aug.	8	38.251	407	5.72	150	12.479	286	36.50	120
	18	38.658	422	4.22	94	12.765	289	35.30	94
	28	39.080	425	3.28	33	13.054	287	34.36	66
Sept.	7	39.505	418	2.95	30	13.341	281	33.70	34
	17	39.923	400	3.25	93	13.622	270	33.36	2
	27	40.323	372	4.18	153	13.892	257	33.34	30
Okt.	7	40.695	337	5.71	209	14.149	240	33.64	61
	17	41.032	291	7.80	257	14.389	219	34.25	89
	27	41.323	237	10.37	296	14.608	197	35.14	112
Nov.	6	41.560	178	13.33	325	14.805	169	36.26	130
	16	41.738	113	16.58	342	14.974	138	37.56	143
	26	41.851	46	20.00	346	15.112	105	38.99	149
Dez.	5	[29]41.897	24	23.46	339	[29]15.217	69	40.48	149
	15	41.873	92	26.85	320	15.286	29	41.97	145
	25	41.781	158	30.05	290	15.315	10	43.42	135
	35	41.623		32.95		15.305		44.77	
Mittl. Ort		38.095		28.12		10.189		47.84	
sec δ, tg δ		1.751		−1.437		1.002		−0.061	
a, *a′*		+1.3		+7.5		+3.0		+7.4	
b, *b′*		−0.04		−0.93		0.00		−0.93	

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Tag	172) 53 Eridani AR.		172) 53 Eridani Dekl.		174) τ Tauri AR.		174) τ Tauri Dekl.	
1937	$4^h\ 35^m$		$-14°\ 25'$		$4^h\ 38^m$		$+22°\ 50'$	
	s		"		s		"	
Jan. 0	19.793	43	36.58	175	30.242	19	19.21	2
10	19.750	83	38.33	152	30.223	62	19.23	2
20	19.667	118	39.85	127	30.161	102	19.21	8
30	19.549	148	41.12	98	30.059	137	19.13	14
Febr. 9	19.401	171	42.10	68	29.922	162	18.99	21
19	19.230	184	42.78	38	29.760	179	18.78	28
März 1	19.046	188	43.16	7	29.581	185	18.50	35
11	18.858	183	43.23	23	29.396	180	18.15	41
21	18.675	168	43.00	54	29.216	162	17.74	45
31	18.507	144	42.46	83	29.054	136	17.29	46
Apr. 10	18.363	111	41.63	110	28.918	101	16.83	45
20	18.252	74	40.53	137	28.817	59	16.38	39
30	18.178	31	39.16	161	28.758	13	15.99	32
Mai 10	18.147	13	37.55	182	28.745	36	15.67	22
20	18.160	58	35.73	198	28.781	84	15.45	9
30	18.218	102	33.75	211	28.865	130	15.36	4
Juni 9	18.320	143	31.64	218	28.995	174	15.40	17
19	18.463	181	29.46	219	29.169	212	15.57	31
29	18.644	213	27.27	216	29.381	246	15.88	43
Juli 9	18.857	240	25.11	204	29.627	272	16.31	53
19	19.097	261	23.07	187	29.899	293	16.84	61
29	19.358	277	21.20	163	30.192	307	17.45	66
Aug. 8	19.635	286	19.57	134	30.499	316	18.11	69
18	19.921	291	18.23	100	30.815	320	18.80	69
28	20.212	289	17.23	61	31.135	317	19.49	65
Sept. 7	20.501	283	16.62	20	31.452	312	20.14	59
17	20.784	273	16.42	21	31.764	302	20.73	53
27	21.057	259	16.63	62	32.066	289	21.26	45
Okt. 7	21.316	241	17.25	101	32.355	272	21.71	37
17	21.557	220	18.26	136	32.627	253	22.08	29
27	21.777	194	19.62	165	32.880	229	22.37	22
Nov. 6	21.971	166	21.27	187	33.109	201	22.59	17
16	22.137	133	23.14	202	33.310	169	22.76	13
26	22.270	98	25.16	209	33.479	134	22.89	10
Dez. 5	30 22.368	60	27.25	209	1 33.613	93	22.99	8
15	22.428	20	29.34	200	33.706	51	23.07	6
25	22.448	21	31.34	186	33.757	6	23.13	3
35	22.427		33.20		33.763		23.16	
Mittl. Ort	17.624		33.78		27.680		15.55	
sec δ, tg δ	1.033		−0.257		1.085		+0.421	
a, *a'*	+2.8		+7.2		+3.6		+7.0	
b, *b'*	−0.01		−0.93		+0.01		−0.94	

Tag	173) Grb 848 AR.		173) Grb 848 Dekl.		175) 4 Camelop. AR.		175) 4 Camelop. Dekl.	
1937	$4^h\ 40^m$		$+75°\ 49'$		$4^h\ 42^m$		$+56°\ 38'$	
	s		"		s		"	
Jan. 0	27.01	26	58.96	252	48.766	62	59.53	174
10	26.75	42	61.48	220	48.704	135	61.27	151
20	26.33	55	63.68	178	48.569	200	62.78	119
30	25.78	67	65.46	130	48.369	256	63.97	85
Febr. 9	25.11	75	66.76	77	48.113	298	64.82	45
19	24.36	79	67.53	21	47.815	324	65.27	3
März 1	23.57	80	67.74	36	47.491	331	65.30	38
11	22.77	78	67.38	90	47.160	320	64.92	77
21	21.99	71	66.48	140	46.840	293	64.15	114
31	21.28	61	65.08	185	46.547	250	63.01	145
Apr. 10	20.67	49	63.23	221	46.297	192	61.56	170
20	20.18	34	61.02	248	46.105	125	59.86	187
30	19.84	19	58.54	268	45.980	51	57.99	199
Mai 10	19.65	2	55.86	276	45.929	26	56.00	201
20	19.63	15	53.10	277	45.955	105	53.99	197
30	19.78	31	50.33	268	46.060	180	52.02	187
Juni 9	20.09	47	47.65	252	46.240	251	50.15	171
19	20.56	61	45.13	229	46.491	315	48.44	151
29	21.17	73	42.84	201	46.806	371	46.93	127
Juli 9	21.90	84	40.83	167	47.177	417	45.66	101
19	22.74	93	39.16	130	47.594	454	44.65	72
29	23.67	100	37.86	91	48.048	482	43.93	42
Aug. 8	24.67	105	36.95	50	48.530	501	43.51	14
18	25.72	107	36.45	8	49.031	509	43.37	16
28	26.79	109	36.37	34	49.540	512	43.53	45
Sept. 7	27.88	108	36.71	74	50.052	505	43.98	71
17	28.96	104	37.45	114	50.557	491	44.69	97
27	30.00	100	38.59	152	51.048	472	45.66	120
Okt. 7	31.00	94	40.11	187	51.520	444	46.86	143
17	31.94	85	41.98	219	51.964	411	48.29	162
27	32.79	74	44.17	246	52.375	370	49.91	179
Nov. 6	33.53	63	46.63	269	52.745	320	51.70	192
16	34.16	50	49.32	284	53.065	264	53.62	202
26	34.66	34	52.16	294	53.329	201	55.64	207
Dez. 5	1 35.00	17	55.10	295	2 53.530	131	57.71	207
15	35.17	1	58.05	286	53.661	56	59.78	200
25	35.18	16	60.91	268	53.717	20	61.78	187
35	35.02		63.59		53.697		63.65	
Mittl. Ort	19.20		48.65		44.792		51.22	
sec δ, tg δ	4.085		+3.961		1.819		+1.519	
a, *a'*	+8.0		+6.8		+5.0		+6.6	
b, *b'*	+0.09		−0 94		+0.03		−0.94	

Tag	178) 9 Camelop. AR.		Dekl.		180) π⁵ Orionis AR.		Dekl.		181) ι Aurigae AR.		Dekl.		183) ε Aurigae AR.		Dekl.	
1937	4h 47m		+66° 14′		4h 50m		+2° 20′		4h 52m		+33° 4′		4h 57m		+43° 43′	
Jan. 0	51.50	10	27.24	220	60.406	14	19.54	105	56.126	7	9.57	58	29.880	12	60.40	116
10	51.40	21	29.44	192	60.392	55	18.49	94	56.119	60	10.15	49	29.868	71	61.56	101
20	51.19	29	31.36	157	60.337	92	17.55	82	56.059	105	10.64	37	29.797	126	62.57	82
30	50.90	36	32.93	115	60.245	126	16.73	67	55.954	145	11.01	23	29.671	171	63.39	59
Febr. 9	50.54	43	34.08	69	60.119	151	16.06	53	55.809	176	11.24	6	29.500	209	63.98	32
19	50.11	46	34.77	20	59.968	168	15.53	39	55.633	197	11.30	12	29.291	233	64.30	5
März 1	49.65	47	34.97	29	59.800	176	15.14	24	55.436	206	11.18	30	29.058	244	64.35	25
11	49.18	45	34.68	77	59.624	172	14.90	8	55.230	203	10.88	47	28.814	240	64.10	53
21	48.73	42	33.91	121	59.452	160	14.82	7	55.027	186	10.41	61	28.574	223	63.57	78
31	48.31	37	32.70	160	59.292	138	14.89	24	54.841	160	9.80	72	28.351	192	62.79	100
Apr. 10	47.94	29	31.10	193	59.154	107	15.13	41	54.681	123	9.08	81	28.159	151	61.79	116
20	47.65	20	29.17	217	59.047	71	15.54	58	54.558	79	8.27	85	28.008	101	60.63	130
30	47.45	10	27.00	233	58.976	30	16.12	75	54.479	30	7.42	84	27.907	44	59.33	136
Mai 10	47.35	0	24.67	240	58.946	14	16.87	91	54.449	23	6.58	80	27.863	15	57.97	136
20	47.35	10	22.27	241	58.960	58	17.78	106	54.472	76	5.78	72	27.878	75	56.61	132
30	47.45	21	19.86	232	59.018	101	18.84	119	54.548	126	5.06	61	27.953	134	55.29	123
Juni 9	47.66	30	17.54	218	59.119	142	20.03	130	54.674	174	4.45	49	28.087	189	54.06	111
19	47.96	39	15.36	197	59.261	178	21.33	137	54.848	218	3.96	33	28.276	239	52.95	95
29	48.35	47	13.39	172	59.439	210	22.70	140	55.066	254	3.63	19	28.515	283	52.00	77
Juli 9	48.82	53	11.67	143	59.649	236	24.10	138	55.320	286	3.44	4	28.798	319	51.23	58
19	49.35	59	10.24	110	59.885	258	25.48	133	55.606	311	3.40	9	29.117	350	50.65	38
29	49.94	63	9.14	76	60.143	274	26.81	122	55.917	329	3.49	22	29.467	372	50.27	18
Aug. 8	50.57	66	8.38	41	60.417	283	28.03	106	56.246	340	3.71	33	29.839	387	50.09	1
18	51.23	67	7.97	6	60.700	289	29.09	87	56.586	347	4.04	42	30.226	396	50.10	18
28	51.90	68	7.91	30	60.989	289	29.96	63	56.933	348	4.46	48	30.622	399	50.28	35
Sept. 7	52.58	68	8.21	65	61.278	286	30.59	38	57.281	345	4.94	53	31.021	396	50.63	51
17	53.26	66	8.86	98	61.564	278	30.97	10	57.626	337	5.47	57	31.417	388	51.14	65
27	53.92	63	9.84	130	61.842	268	31.07	17	57.963	324	6.04	60	31.805	375	51.79	78
Okt. 7	54.55	60	11.14	159	62.110	253	30.90	43	58.287	309	6.64	61	32.180	358	52.57	90
17	55.15	55	12.73	186	62.363	236	30.47	67	58.596	289	7.25	63	32.538	336	53.47	100
27	55.70	50	14.59	209	62.599	214	29.80	88	58.885	265	7.88	65	32.874	307	54.47	111
Nov. 6	56.20	42	16.68	229	62.813	189	28.92	103	59.150	236	8.53	66	33.181	274	55.58	120
16	56.62	35	18.97	244	63.002	161	27.89	114	59.386	201	9.19	67	33.455	233	56.78	126
26	56.97	26	21.41	252	[4] 63.163	127	26.75	121	[4] 59.587	163	9.86	69	33.688	187	58.04	130
Dez. 5*)	[3] 57.23	15	23.93	253	63.290	90	25.54	121	59.750	118	10.55	68	[6] 33.875	135	59.34	132
15	57.38	6	26.46	247	63.380	50	24.33	119	59.868	69	11.23	66	34.010	79	60.66	129
25	57.44	4	28.93	234	63.430	9	23.14	111	59.937	19	11.89	62	34.089	20	61.95	123
35	57.40		31.27		63.439		22.03		59.956		12.51		34.109		63.18	
Mittl. Ort	46.34		18.46		58.089		19.93		53.278		5.26		26.636		55.01	
sec δ, tg δ	2.482		+2.271		1.001		+0.041		1.193		+0.651		1.384		+0.957	
a, *a′*	+6.0		+6.2		+3.1		+5.9		+3.9		+5.8		+4.3		+5.4	
b, *b′*	+0.05		−0.95		0.00		−0.96		+0.01		−0.96		+0.02		−0.96	

*) Bei Stern 183) lies Dez. 6.

Scheinbare Sternörter 1937

Tag	182) 10 Camelop. AR.		182) Dekl.		184) ι Tauri AR.		184) Dekl.		185) η Aurigae AR.		185) Dekl.		186) ε Leporis AR.		186) Dekl.	
1937	$4^h\ 57^m$		$+60°\ 20'$		$4^h\ 59^m$		$+21°\ 30'$		$5^h\ 2^m$		$+41°\ 8'$		$5^h\ 2^m$		$-22°\ 26'$	
Jan. 0	52.73	5	76.85	198	22.295	0	8.04	5	8.754	4	68.93	103	49.850	34	80.12	220
10	52.68	14	78.83	176	22.295	45	7.99	6	8.750	61	69.96	91	49.816	78	82.32	194
20	52.54	21	80.59	145	22.250	88	7.93	8	8.689	114	70.87	74	49.738	117	84.26	164
30	52.33	27	82.04	109	22.162	125	7.85	11	8.575	160	71.61	54	49.621	152	85.90	130
Febr. 9	52.06	33	83.13	69	22.037	155	7.74	16	8.415	196	72.15	30	49.469	179	87.20	94
19	51.73	36	83.82	25	21.882	175	7.58	21	8.219	221	72.45	5	49.290	198	88.14	57
März 1	51.37	38	84.07	19	21.707	185	7.37	27	7.998	233	72.50	22	49.092	206	88.71	19
11	50.99	37	83.88	63	21.522	183	7.10	31	7.765	231	72.28	47	48.886	205	88.90	18
21	50.62	34	83.25	103	21.339	170	6.79	34	7.534	214	71.81	70	48.681	194	88.72	55
31	50.28	30	82.22	139	21.169	146	6.45	35	7.320	187	71.11	90	48.487	173	88.17	89
Apr. 10	49.98	24	80.83	168	21.023	115	6.10	35	7.133	147	70.21	106	48.314	144	87.28	123
20	49.74	16	79.15	192	20.908	75	5.75	31	6.986	100	69.15	116	48.170	107	86.05	154
30	49.58	9	77.23	207	20.833	32	5.44	24	6.886	46	67.99	122	48.063	67	84.51	182
Mai 10	49.49	1	75.16	215	20.801	15	5.20	16	6.840	11	66.77	123	47.996	22	82.69	205
20	49.48	8	73.01	215	20.816	63	5.04	6	6.851	68	65.54	119	47.974	23	80.64	224
30	49.56	17	70.86	209	20.879	109	4.98	6	6.919	125	64.35	110	47.997	68	78.40	239
Juni 9	49.73	24	68.77	196	20.988	152	5.04	17	7.044	178	63.25	98	48.065	112	76.01	248
19	49.97	32	66.81	179	21.140	192	5.21	28	7.222	227	62.27	84	48.177	152	73.53	248
29	50.29	38	65.02	156	21.332	226	5.49	39	7.449	269	61.43	67	48.329	189	71.05	244
Juli 9	50.67	44	63.46	130	21.558	255	5.88	46	7.718	305	60.76	50	48.518	220	68.61	231
19	51.11	48	62.16	102	21.813	278	6.34	53	8.023	334	60.26	32	48.738	247	66.30	211
29	51.59	51	61.14	73	22.091	295	6.87	57	8.357	356	59.94	14	48.985	267	64.19	185
Aug. 8	52.10	54	60.41	41	22.386	307	7.44	57	8.713	371	59.80	2	49.252	282	62.34	152
18	52.64	56	60.00	11	22.693	313	8.01	55	9.084	381	59.82	17	49.534	292	60.82	113
28	53.20	56	59.89	20	23.006	314	8.56	51	9.465	383	59.99	32	49.826	296	59.69	68
Sept. 7	53.76	56	60.09	50	23.320	312	9.07	44	9.848	382	60.31	45	50.122	295	59.01	22
17	54.32	56	60.59	79	23.632	306	9.51	36	10.230	375	60.76	57	50.417	288	58.79	25
27	54.88	53	61.38	107	23.938	296	9.87	27	10.605	365	61.33	68	50.705	279	59.04	74
Okt. 7	55.41	50	62.45	133	24.234	283	10.14	18	10.970	347	62.01	77	50.984	263	59.78	120
17	55.91	47	63.78	157	24.517	265	10.32	10	11.317	327	62.78	86	51.247	243	60.98	161
27	56.38	43	65.35	178	24.782	245	10.42	4	11.644	302	63.64	95	51.490	220	62.59	197
Nov. 6	56.81	38	67.13	197	25.027	219	10.46	2	11.946	269	64.59	103	51.710	190	64.56	224
16	57.19	31	69.10	211	25.246	189	10.44	4	12.215	232	65.62	108	51.900	158	66.80	244
26	57.50	25	71.21	219	25.435	154	10.40	6	12.447	187	66.70	113	52.058	120	69.24	254
Dez. 6	57.75	17	73.40	223	25.589	114	10.34	6	12.634	138	67.83	115	52.178	80	71.78	255
	6				6				7				7			
15	57.92	8	75.63	220	25.703	71	10.28	6	12.772	85	68.98	114	52.258	36	74.33	248
25	58.00	1	77.83	209	25.774	26	10.22	5	12.857	27	70.12	109	52.294	9	76.81	233
35	57.99		79.92		25.800		10.17		12.884		71.21		52.285		79.14	
Mittl. Ort	48.32		69.65		19.696		5.86		5.603		64.27		47.618		75.98	
sec δ, tg δ	2.022		+1.757		1.075		+0.394		1.328		+0.874		1.082		−0.413	
a, *a'*	+5.3		+5.4		+3.6		+5.2		+4.2		+5.0		+2.5		+5.0	
b, *b'*	+0.03		−0.96		+0.01		−0.97		+0.01		−0.97		−0.01		−0.97	

Tag	188) β Eridani AR.		188) β Eridani Dekl.		192) μ Aurigae AR.		192) μ Aurigae Dekl.		194) β Orionis AR.		194) β Orionis Dekl.		193) α Aurigae AR.		193) α Aurigae Dekl.	
1937	$5^h\ 4^m$		$-5°\ 9'$		$5^h\ 9^m$		$+38°\ 24'$		$5^h\ 11^m$		$-8°\ 16'$		$5^h\ 12^m$		$+45°\ 56'$	
Jan. 0	47.401 s	9	61.34 "	146	9.922 s	6	46.02 "	90	32.837 s	6	25.51 "	164	5.301 s	2	13.89 "	130
10	47.392	51	62.80	131	9.928	50	46.92	80	32.831	49	27.15	146	5.303	59	15.19	117
20	47.341	90	64.11	112	9.878	102	47.72	66	32.782	89	28.61	125	5.244	118	16.36	98
30	47.251	124	65.23	91	9.776	147	48.38	49	32.693	124	29.86	102	5.126	169	17.34	75
Febr. 9	47.127	152	66.14	69	9.629	184	48.87	29	32.569	153	30.88	77	4.957	211	18.09	49
19	46.975	171	66.83	47	9.445	209	49.16	6	32.416	173	31.65	52	4.746	239	18.58	19
März 1	46.804	180	67.30	24	9.236	223	49.22	17	32.243	183	32.17	26	4.507	254	18.77	12
11	46.624	180	67.54	2	9.013	222	49.05	39	32.060	183	32.43	1	4.253	255	18.65	42
21	46.444	169	67.56	20	8.791	208	48.66	61	31.877	174	32.44	24	3.998	239	18.23	70
31	46.275	149	67.36	43	8.583	183	48.05	78	31.703	155	32.20	50	3.759	211	17.53	96
Apr. 10	46.126	121	66.93	66	8.400	146	47.27	92	31.548	127	31.70	74	3.548	171	16.57	116
20	46.005	86	66.27	87	8.254	101	46.35	102	31.421	94	30.96	97	3.377	122	15.41	132
30	45.919	47	65.40	107	8.153	51	45.33	108	31.327	55	29.99	119	3.255	64	14.09	142
Mai 10	45.872	4	64.33	126	8.102	4	44.25	108	31.272	12	28.80	139	3.191	5	12.67	147
20	45.868	40	63.07	142	8.106	59	43.17	104	31.260	31	27.41	156	3.186	57	11.20	145
30	45.908	82	61.65	156	8.165	114	42.13	96	31.291	73	25.85	170	3.243	118	9.75	140
Juni 9	45.990	123	60.09	165	8.279	165	41.17	85	31.364	115	24.15	180	3.361	176	8.35	129
19	46.113	160	58.44	171	8.444	211	40.32	73	31.479	152	22.35	184	3.537	228	7.06	116
29	46.273	194	56.73	172	8.655	254	39.59	58	31.631	186	20.51	185	3.765	276	5.90	100
Juli 9	46.467	221	55.01	166	8.909	289	39.01	42	31.817	216	18.66	178	4.041	315	4.90	82
19	46.688	245	53.35	157	9.198	317	38.59	26	32.033	240	16.88	167	4.356	349	4.08	62
29	46.933	263	51.78	141	9.515	339	38.33	12	32.273	258	15.21	150	4.705	375	3.46	43
Aug. 8	47.196	275	50.37	119	9.854	355	38.21	2	32.531	272	13.71	126	5.080	393	3.03	23
18	47.471	283	49.18	94	10.209	365	38.23	16	32.803	281	12.45	99	5.473	406	2.80	4
28	47.754	286	48.24	64	10.574	369	38.39	27	33.084	285	11.46	66	5.879	412	2.76	15
Sept. 7	48.040	284	47.60	31	10.943	369	38.66	37	33.369	286	10.80	30	6.291	412	2.91	32
17	48.324	279	47.29	2	11.312	363	39.03	46	33.655	281	10.50	6	6.703	407	3.23	48
27	48.603	271	47.31	37	11.675	354	39.49	55	33.936	272	10.56	44	7.110	397	3.71	64
Okt. 7	48.874	257	47.68	70	12.029	340	40.04	62	34.208	261	11.00	79	7.507	382	4.35	78
17	49.131	241	48.38	100	12.369	321	40.66	69	34.469	245	11.79	111	7.889	360	5.13	93
27	49.372	221	49.38	126	12.690	297	41.35	77	34.714	225	12.90	140	8.249	333	6.06	106
Nov. 6	49.593	196	50.64	146	12.987	267	42.12	83	34.939	201	14.30	162	8.582	300	7.12	117
16	49.789	168	52.10	160	13.254	232	42.95	89	35.140	172	15.92	178	8.882	260	8.29	128
26	49.957	134	53.70	167	13.486	191	43.84	94	35.312	139	17.70	186	9.142	213	9.57	135
Dez. 6	50.091	97	55.37	170	13.677	143	44.78	96	35.451	101	19.56	188	9.355	158	10.92	139
15	7 50.188	57	57.07	164	8 13.820	92	45.74	96	9 35.552	61	21.44	183	9 9.513	100	12.31	139
25	50.245	15	58.71	155	13.912	36	46.70	94	35.613	17	23.27	173	9.613	39	13.70	136
35	50.260		60.26		13.948		47.64		35.630		25.00		9.652		15.06	
Mittl. Ort	45.108		59.43		6.853		42.29		30.547		23.05		1.903		9.55	
sec δ, tg δ	1.004		−0.090		1.276		+0.793		1.010		−0.145		1.438		+1.033	
a, *a'*	+3.0		+4.8		+4.1		+4.4		+2.9		+4.2		+4.4		+4.2	
b, *b'*	0.00		−0.97		+0.01		−0.98		0.00		−0.98		+0.01		−0.98	

Tag	191) 19 H. Camelop. AR.		191) Dekl.		196) ϑ Doradus AR.		196) Dekl.	
1937	$5^h\ 12^m$		$+79°\ 9'$		$5^h\ 13^m$		$-67°\ 15'$	
Jan. 0	$18\overset{s}{.}38$	22	$55\overset{''}{.}53$	280	$51\overset{s}{.}27$	28	$29\overset{''}{.}54$	310
10	18.16	44	58.33	253	50.99	36	32.64	274
20	17.72	63	60.86	218	50.63	45	35.38	228
30	17.09	80	63.04	174	50.18	51	37.66	178
Febr. 9	16.29	94	64.78	123	49.67	57	39.44	125
19	15.35	103	66.01	67	49.10	59	40.69	70
März 1	14.32	107	66.68	9	48.51	61	41.39	14
11	13.25	106	66.77	47	47.90	61	41.53	42
21	12.19	100	66.30	103	47.29	59	41.11	94
31	11.19	90	65.27	153	46.70	55	40.17	144
Apr. 10	10.29	77	63.74	197	46.15	49	38.73	191
20	9.52	60	61.77	233	45.66	42	36.82	232
30	8.92	41	59.44	260	45.24	35	34.50	267
Mai 10	8.51	20	56.84	278	44.89	26	31.83	298
20	8.31	1	54.06	287	44.63	17	28.85	320
30	8.32	22	51.19	286	44.46	6	25.65	334
Juni 9	8.54	43	48.33	278	44.40	3	22.31	341
19	8.97	63	45.55	263	44.43	13	18.90	338
29	9.60	80	42.92	240	44.56	22	15.52	325
Juli 9	10.40	95	40.52	212	44.78	31	12.27	305
19	11.35	110	38.40	179	45.09	39	9.22	273
29	12.45	121	36.61	143	45.48	45	6.49	234
Aug. 8	13.66	129	35.18	103	45.93	52	4.15	186
18	14.95	135	34.15	62	46.45	56	2.29	132
28	16.30	140	33.53	20	47.01	58	0.97	72
Sept. 7	17.70	140	33.33	23	47.59	59	0.25	8
17	19.10	139	33.56	66	48.18	59	0.17	57
27	20.49	136	34.22	107	48.77	57	0.74	121
Okt. 7	21.85	128	35.29	147	49.34	52	1.95	182
17	23.13	120	36.76	185	49.86	46	3.77	238
27	24.33	108	38.61	219	50.32	39	6.15	285
Nov. 6	25.41	94	40.80	248	50.71	31	9.00	322
16	26.35	77	43.28	274	51.02	21	12.22	348
26	27.12	58	46.02	291	51.23	11	15.70	361
Dez. 6	27.70	36	48.93	300	51.34	1	19.31	363
	[9]				[10]			
15	28.06	14	51.93	300	51.35	11	22.94	352
25	28.20	8	54.93	291	51.24	21	26.46	329
35	28.12		57.84		51.03		29.75	
Mittl. Ort	8.05		48.52		48.04		22.24	
sec δ, tg δ	5.319		+5.224		2.587		−2.385	
a, *a'*	+9.9		+4.2		−0.1		+4.0	
b, *b'*	+0.07		−0.98		−0.03		−0.98	

Tag	201) γ Orionis AR.		201) Dekl.		202) β Tauri AR.		202) Dekl.	
1937	$5^h\ 21^m$		$+6°\ 17'$		$5^h\ 22^m$		$+28°\ 33'$	
Jan. 0	$47\overset{s}{.}495$	15	$37\overset{''}{.}42$	93	$21\overset{s}{.}284$	23	$23\overset{''}{.}24$	34
10	47.510	30	36.49	82	21.307	29	23.58	32
20	47.480	72	35.67	71	21.278	76	23.90	28
30	47.408	109	34.96	60	21.202	120	24.18	20
Febr. 9	47.299	140	34.36	48	21.082	155	24.38	11
19	47.159	163	33.88	36	20.927	181	24.49	1
März 1	46.996	175	33.52	25	20.746	195	24.48	14
11	46.821	177	33.27	13	20.551	198	24.34	25
21	46.644	169	33.14	2	20.353	188	24.09	37
31	46.475	151	33.12	10	20.165	168	23.72	46
Apr. 10	46.324	125	33.22	23	19.997	137	23.26	53
20	46.199	91	33.45	36	19.860	99	22.73	56
30	46.108	53	33.81	49	19.761	54	22.17	58
Mai 10	46.055	10	34.30	63	19.707	7	21.59	55
20	46.045	33	34.93	77	19.700	43	21.04	50
30	46.078	76	35.70	88	19.743	91	20.54	42
Juni 9	46.154	117	36.58	98	19.834	138	20.12	33
19	46.271	155	37.56	106	19.972	180	19.79	23
29	46.426	189	38.62	110	20.152	218	19.56	13
Juli 9	46.615	217	39.72	110	20.370	250	19.43	2
19	46.832	242	40.82	107	20.620	277	19.41	6
29	47.074	261	41.89	99	20.897	299	19.47	14
Aug. 8	47.335	275	42.88	87	21.196	314	19.61	20
18	47.610	284	43.75	72	21.510	324	19.81	23
28	47.894	289	44.47	52	21.834	331	20.04	25
Sept. 7	48.183	291	44.99	30	22.165	331	20.29	25
17	48.474	288	45.29	8	22.496	329	20.54	25
27	48.762	281	45.37	17	22.825	322	20.79	23
Okt. 7	49.043	272	45.20	40	23.147	312	21.02	22
17	49.315	259	44.80	60	23.459	297	21.24	22
27	49.574	241	44.20	79	23.756	278	21.46	21
Nov. 6	49.815	219	43.41	93	24.034	254	21.67	22
16	50.034	192	42.48	102	24.288	224	21.89	25
26	50.226	160	41.46	107	24.512	187	22.14	28
Dez. 6	50.386	123	40.39	107	24.699	146	22.42	30
	[12]				[12]			
15	50.509	82	39.32	104	24.845	100	22.72	34
25	50.591	40	38.28	98	24.945	50	23.06	34
35	50.631		37.30		24.995		23.40	
Mittl. Ort	45.067		38.40		18.477		21.67	
sec δ, tg δ	1.006		+0.110		1.138		+0.544	
a, *a'*	+3.2		+3.3		+3.8		+3.3	
b, *b'*	0.00		−0.99		+0.01		−0.99	

Tag	203) 17 Camelop. AR.		203) Dekl.		206) δ Orionis AR.		206) Dekl.		207) α Leporis AR.		207) Dekl.		205) Grb 966 AR.		205) Dekl.	
1937	5h 24m		+63° 0′		5h 28m		−0° 20′		5h 29m		−17° 51′		5h 31m		+75° 0′	
Jan. 0	17.69s	2	66.97″	218	49.595s	16	41.57″	130	59.349s	2	61.89″	216	25.25s	6	25.81″	270
10	17.67	10	69.15	201	49.611	28	42.87	117	59.347	48	64.05	194	25.19	23	28.51	251
20	17.57	20	71.16	175	49.583	71	44.04	100	59.299	90	65.99	167	24.96	38	31.02	221
30	17.37	27	72.91	142	49.512	108	45.04	83	59.209	128	67.66	137	24.58	52	33.23	182
Febr. 9	17.10	34	74.33	103	49.404	139	45.87	65	59.081	160	69.03	105	24.06	63	35.05	138
19	16.76	39	75.36	60	49.265	163	46.52	47	58.921	182	70.08	72	23.43	71	36.43	86
März 1	16.37	41	75.96	13	49.102	176	46.99	29	58.739	196	70.80	38	22.72	76	37.29	31
11	15.96	42	76.09	32	48.926	180	47.28	11	58.543	200	71.18	4	21.96	76	37.60	23
21	15.54	39	75.77	76	48.746	172	47.39	7	58.343	192	71.22	30	21.20	73	37.37	76
31	15.15	36	75.01	117	48.574	156	47.32	25	58.151	176	70.92	62	20.47	68	36.61	126
Apr. 10	14.79	30	73.84	153	48.418	131	47.07	44	57.975	150	70.30	93	19.79	58	35.35	171
20	14.49	23	72.31	182	48.287	99	46.63	61	57.825	119	69.37	123	19.21	47	33.64	208
30	14.26	15	70.49	204	48.188	61	46.02	79	57.706	81	68.14	149	18.74	34	31.56	237
Mai 10	14.11	6	68.45	218	48.127	19	45.23	95	57.625	39	66.65	174	18.40	19	29.19	258
20	14.05	3	66.27	226	48.108	22	44.28	110	57.586	3	64.91	193	18.21	3	26.61	271
30	14.08	12	64.01	226	48.130	64	43.18	123	57.589	47	62.98	210	18.18	12	23.90	275
Juni 9	14.20	20	61.75	219	48.194	105	41.95	133	57.636	90	60.88	220	18.30	27	21.15	271
19	14.40	29	59.56	206	48.299	143	40.62	139	57.726	129	58.68	225	18.57	41	18.44	259
29	14.69	36	57.50	189	48.442	177	39.23	142	57.855	166	56.43	223	18.98	55	15.85	242
Juli 9	15.05	43	55.61	167	48.619	207	37.81	140	58.021	198	54.20	215	19.53	67	13.43	218
19	15.48	48	53.94	142	48.826	232	36.41	133	58.219	225	52.05	200	20.20	77	11.25	190
29	15.96	53	52.52	113	49.058	251	35.08	121	58.444	248	50.05	177	20.97	86	9.35	158
Aug. 8	16.49	56	51.39	84	49.309	267	33.87	104	58.692	266	48.28	150	21.83	93	7.77	122
18	17.05	59	50.55	53	49.576	277	32.83	84	58.958	279	46.78	116	22.76	98	6.55	86
28	17.64	61	50.02	21	49.853	284	31.99	58	59.237	286	45.62	76	23.74	102	5.69	46
Sept. 7	18.25	61	49.81	10	50.137	286	31.41	30	59.523	290	44.86	33	24.76	103	5.23	7
17	18.86	61	49.91	42	50.423	285	31.11	0	59.813	289	44.53	12	25.79	104	5.16	34
27	19.47	60	50.33	73	50.708	279	31.11	30	60.102	283	44.65	57	26.83	102	5.50	73
Okt. 7	20.07	57	51.06	102	50.987	271	31.41	59	60.385	274	45.22	101	27.85	98	6.23	112
17	20.64	54	52.08	132	51.258	258	32.00	86	60.659	259	46.23	141	28.83	93	7.35	150
27	21.18	51	53.40	158	51.516	241	32.86	109	60.918	239	47.64	176	29.76	85	8.85	184
Nov. 6	21.69	45	54.98	182	51.757	219	33.95	128	61.157	214	49.40	205	30.61	76	10.69	216
16	22.14	39	56.80	202	51.976	192	35.23	140	61.371	186	51.45	226	31.37	64	12.85	243
26	22.53	31	58.82	218	52.168	161	36.63	148	61.557	151	53.71	239	32.01	51	15.28	263
Dez. 6	22.84	23	61.00	228	52.329	124	38.11	149	61.708	111	56.10	242	32.52	37	17.91	278
15	[12] 23.07	14	63.28	231	[13] 52.453	85	39.60	145	[14] 61.819	69	58.52	238	[14] 32.89	20	20.69	282
25	23.21	4	65.59	226	52.538	41	41.05	137	61.888	24	60.90	226	33.09	3	23.51	279
35	23.25		67.85		52.579		42.42		61.912		63.16		33.12		26.30	
Mittl. Ort	12.82		62.29		47.217		39.60		57.054		58.17		17.35		21.17	
sec δ, tg δ	2.204		+1.964		1.000		−0.006		1.051		−0.322		3.865		+3.734	
a, *a′*	+5.7		+3.1		+3.1		+2.7		+2.6		+2.6		+8.0		+2.5	
b, *b′*	+0.02		−0.99		0.00		−0.99		0.00		−0.99		+0.03		−0.99	

Scheinbare Sternörter 1937

Tag	209) ι Orionis				210) ε Orionis			
	AR.		Dekl.		AR.		Dekl.	
1937	$5^h\ 32^m$		−5° 56′		$5^h\ 33^m$		−1° 14′	
Jan. 0	$23^s.397$	15	62″.48	161	$3^s.328$	19	28″.90	136
10	23.412	30	64.09	144	3.347	26	30.26	122
20	23.382	73	65.53	124	3.321	68	31.48	105
30	23.309	111	66.77	103	3.253	106	32.53	87
Febr. 9	23.198	142	67.80	80	3.147	139	33.40	69
19	23.056	166	68.60	57	3.008	162	34.09	49
März 1	22.890	179	69.17	33	2.846	176	34.58	30
11	22.711	184	69.50	9	2.670	180	34.88	12
21	22.527	177	69.59	13	2.490	174	35.00	8
31	22.350	161	69.46	37	2.316	158	34.92	26
Apr. 10	22.189	136	69.09	59	2.158	133	34.66	45
20	22.053	105	68.50	81	2.025	102	34.21	64
30	21.948	68	67.69	102	1.923	65	33.57	82
Mai 10	21.880	28	66.67	121	1.858	24	32.75	98
20	21.852	15	65.46	137	1.834	18	31.77	113
30	21.867	56	64.09	151	1.852	60	30.64	127
Juni 9	21.923	98	62.58	162	1.912	101	29.37	136
19	22.021	135	60.96	168	2.013	138	28.01	143
29	22.156	170	59.28	169	2.151	173	26.58	146
Juli 9	22.326	200	57.59	165	2.324	203	25.12	142
19	22.526	226	55.94	155	2.527	228	23.70	136
29	22.752	247	54.39	140	2.755	248	22.34	124
Aug. 8	22.999	263	52.99	119	3.003	264	21.10	106
18	23.262	275	51.80	94	3.267	276	20.04	84
28	23.537	282	50.86	65	3.543	283	19.20	59
Sept. 7	23.819	284	50.21	31	3.826	285	18.61	29
17	24.103	284	49.90	4	4.111	285	18.32	1
27	24.387	279	49.94	39	4.396	280	18.33	32
Okt. 7	24.666	271	50.33	74	4.676	272	18.65	62
17	24.937	258	51.07	104	4.948	260	19.27	90
27	25.195	241	52.11	133	5.208	243	20.17	113
Nov. 6	25.436	219	53.44	154	5.451	222	21.30	133
16	25.655	192	54.98	170	5.673	196	22.63	146
26	25.847	160	56.68	179	5.869	164	24.09	154
Dez. 6	26.007	123	58.47	182	6.033	128	25.63	155
15	[14] 26.130	83	60.29	178	[15] 6.161	87	27.18	152
25	26.213	39	62.07	168	6.248	44	28.70	143
35	26.252		63.75		6.292		30.13	
Mittl. Ort	21.053		59.85		0.950		26.70	
sec δ, tg δ	1.005		−0.104		1.000		−0.022	
a, *a′*	+2.9		+2.4		+3.0		+2.4	
b, *b′*	0.00		−0.99		0.00		−0.99	

Tag	212) β Doradus				211) ζ Tauri			
	AR.		Dekl.		AR.		Dekl.	
1937	$5^h\ 33^m$		−62° 31′		$5^h\ 33^m$		+21° 6′	
Jan. 0	$7^s.54$	17	57″.41	327	$55^s.387$	33	20″.74	9
10	7.37	26	60.68	294	55.420	16	20.65	6
20	7.11	33	63.62	253	55.404	63	20.59	5
30	6.78	39	66.15	207	55.341	105	20.54	4
Febr. 9	6.39	45	68.22	154	55.236	140	20.50	5
19	5.94	48	69.76	100	55.096	166	20.45	9
März 1	5.46	49	70.76	46	54.930	183	20.36	13
11	4.97	51	71.22	9	54.747	187	20.23	17
21	4.46	49	71.13	63	54.560	180	20.06	21
31	3.97	46	70.50	114	54.380	163	19.85	23
Apr. 10	3.51	42	69.36	163	54.217	136	19.62	25
20	3.09	37	67.73	206	54.081	101	19.37	23
30	2.72	30	65.67	246	53.980	61	19.14	20
Mai 10	2.42	24	63.21	279	53.919	16	18.94	15
20	2.18	15	60.42	304	53.903	29	18.79	9
30	2.03	7	57.38	324	53.932	75	18.70	0
Juni 9	1.96	0	54.14	335	54.007	119	18.70	8
19	1.96	9	50.79	336	54.126	158	18.78	16
29	2.05	18	47.43	329	54.284	195	18.94	24
Juli 9	2.23	24	44.14	311	54.479	227	19.18	30
19	2.47	31	41.03	286	54.706	253	19.48	34
29	2.78	38	38.17	249	54.959	275	19.82	36
Aug. 8	3.16	42	35.68	205	55.234	290	20.18	35
18	3.58	47	33.63	154	55.524	302	20.53	32
28	4.05	49	32.09	95	55.826	309	20.85	27
Sept. 7	4.54	51	31.14	33	56.135	312	21.12	20
17	5.05	51	30.81	32	56.447	311	21.32	11
27	5.56	49	31.13	97	56.758	306	21.43	2
Okt. 7	6.05	47	32.10	160	57.064	299	21.45	6
17	6.52	43	33.70	218	57.363	287	21.39	13
27	6.95	38	35.88	268	57.650	270	21.26	19
Nov. 6	7.33	31	38.56	311	57.920	248	21.07	23
16	7.64	23	41.67	341	58.168	221	20.84	24
26	7.87	16	45.08	360	58.389	188	20.60	22
Dez. 6	8.03	6	48.68	366	58.577	150	20.38	20
15	[15] 8.09	3	52.34	361	[15] 58.727	106	20.18	16
25	8.06	12	55.95	343	58.833	60	20.02	12
35	7.94		59.38		58.893		19.90	
Mittl. Ort	4.54		51.10		52.721		20.74	
sec δ, tg δ	2.168		−1.924		1.072		+0.386	
a, *a′*	+0.5		+2.3		+3.6		+2.3	
b, *b′*	−0.02		−0.99		0.00		−0.99	

Tag	215) α Columbae AR.		215) α Columbae Dekl.		216) ο Aurigae AR.		216) ο Aurigae Dekl.		219) ζ Leporis AR.		219) ζ Leporis Dekl.		220) κ Orionis AR.		220) κ Orionis Dekl.	
1937	$5^h\ 37^m$		$-34°\ 6'$		$5^h\ 41^m$		$+49°\ 47'$		$5^h\ 44^m$		$-14°\ 50'$		$5^h\ 44^m$		$-9°\ 41'$	
Jan. 0	$24^s.336$	25	$29''.57$	281	$4^s.788$	38	$65''.01$	156	$8^s.338$	15	$42''.50$	208	$48^s.432$	22	$29''.60$	183
10	24.311	76	32.38	253	4.826	32	66.57	147	8.353	31	44.58	189	48.454	24	31.43	166
20	24.235	124	34.91	220	4.794	99	68.04	132	8.322	75	46.47	164	48.430	68	33.09	145
30	24.111	166	37.11	182	4.695	160	69.36	111	8.247	115	48.11	136	48.362	107	34.54	120
Febr. 9	23.945	200	38.93	139	4.535	211	70.47	84	8.132	148	49.47	107	48.255	140	35.74	94
19	23.745	226	40.32	96	4.324	249	71.31	54	7.984	173	50.54	76	48.115	166	36.68	68
März 1	23.519	241	41.28	50	4.075	273	71.85	20	7.811	189	51.30	45	47.949	182	37.36	41
11	23.278	245	41.78	4	3.802	280	72.05	13	7.622	195	51.75	13	47.767	187	37.77	13
21	23.033	239	41.82	40	3.522	272	71.92	46	7.427	190	51.88	18	47.580	183	37.90	13
31	22.794	222	41.42	83	3.250	249	71.46	78	7.237	175	51.70	49	47.397	170	37.77	39
Apr. 10	22.572	197	40.59	124	3.001	213	70.68	104	7.062	153	51.21	77	47.227	146	37.38	65
20	22.375	163	39.35	161	2.788	165	69.64	128	6.909	123	50.44	106	47.081	116	36.73	90
30	22.212	122	37.74	196	2.623	109	68.36	144	6.786	86	49.38	131	46.965	81	35.83	112
Mai 10	22.090	78	35.78	226	2.514	47	66.92	157	6.700	47	48.07	155	46.884	41	34.71	132
20	22.012	31	33.52	250	2.467	17	65.35	162	6.653	5	46.52	174	46.843	1	33.39	151
30	21.981	17	31.02	269	2.484	80	63.73	163	6.648	37	44.78	191	46.844	42	31.88	166
Juni 9	21.998	65	28.33	280	2.564	143	62.10	158	6.685	79	42.87	202	46.886	83	30.22	177
19	22.063	111	25.53	284	2.707	202	60.52	150	6.764	118	40.85	207	46.969	121	28.45	183
29	22.174	153	22.69	281	2.909	255	59.02	138	6.882	155	38.78	208	47.090	157	26.62	184
Juli 9	22.327	193	19.88	269	3.164	302	57.64	122	7.037	186	36.70	202	47.247	188	24.78	179
19	22.520	227	17.19	249	3.466	341	56.42	105	7.223	215	34.68	189	47.435	216	22.99	169
29	22.747	256	14.70	220	3.807	375	55.37	86	7.438	238	32.79	169	47.651	237	21.30	152
Aug. 8	23.003	280	12.50	184	4.182	401	54.51	66	7.676	257	31.10	144	47.888	256	19.78	130
18	23.283	298	10.66	141	4.583	420	53.85	47	7.933	272	29.66	113	48.144	270	18.48	101
28	23.581	310	9.25	92	5.003	433	53.38	26	8.205	281	28.53	76	48.414	280	17.47	70
Sept. 7	23.891	317	8.33	39	5.436	440	53.12	5	8.486	286	27.77	36	48.694	284	16.77	33
17	24.208	318	7.94	17	5.876	441	53.07	14	8.772	288	27.41	7	48.978	285	16.44	5
27	24.526	312	8.11	73	6.317	437	53.21	34	9.060	285	27.48	49	49.263	282	16.49	44
Okt. 7	24.838	300	8.84	128	6.754	427	53.55	54	9.345	277	27.97	92	49.545	276	16.93	81
17	25.138	284	10.12	178	7.181	409	54.09	74	9.622	265	28.89	130	49.821	265	17.74	116
27	25.422	259	11.90	223	7.590	385	54.83	92	9.887	249	30.19	165	50.086	248	18.90	147
Nov. 6	25.681	230	14.13	260	7.975	354	55.75	110	10.136	226	31.84	193	50.334	228	20.37	173
16	25.911	194	16.73	287	8.329	313	56.85	127	10.362	199	33.77	214	50.562	201	22.10	190
26	26.105	153	19.60	304	8.642	265	58.12	141	10.561	166	35.91	227	50.763	169	24.00	202
Dez. 6	26.258	106	22.64	311	8.907	209	59.53	151	10.727	128	38.18	231	50.932	133	26.02	205
16	$_{16}$26.364	57	25.75	307	$_{17}$9.116	145	61.04	158	$_{17}$10.855	86	40.49	228	$_{18}$51.065	91	28.07	202
25	26.421	5	28.82	294	9.261	78	62.62	159	10.941	41	42.77	218	51.156	48	30.09	193
35	26.426		31.76		9.339		64.21		10.982		44.95		51.204		32.02	
Mittl. Ort	21.990		24.65		1.101		63.04		6.013		38.92		46.089		26.39	
sec δ tg δ	1.208		−0.677		1.549		+1.183		1.035		−0.265		1.014		−0.171	
a, *a′*	+2.2		+2.0		+4.6		+1.7		+2.7		+1.4		+2.8		+1.3	
b, *b′*	0.00		−1.00		+0.01		−1.00		0.00		−1.00		0.00		−1.00	

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Tag	224) α Orionis AR.	Δ	Dekl.	Δ	225) δ Aurigae AR.	Δ	Dekl.	Δ
1937	5h 51m		+7° 23′		5h 54m		+54° 16′	
Jan. 0	48.122	42	46.88	93	24.398	56	57.17	180
10	48.164	4	45.95	82	24.454	22	58.97	172
20	48.160	49	45.13	70	24.432	98	60.69	158
30	48.111	91	44.43	58	24.334	167	62.27	136
Febr. 9	48.020	126	43.85	46	24.167	226	63.63	108
19	47.894	154	43.39	34	23.941	272	64.71	76
März 1	47.740	171	43.05	24	23.669	301	65.47	40
11	47.569	179	42.81	13	23.368	313	65.87	2
21	47.390	175	42.68	3	23.055	309	65.89	37
31	47.215	161	42.65	8	22.746	287	65.52	72
Apr. 10	47.054	139	42.73	18	22.459	250	64.80	105
20	46.915	110	42.91	30	22.209	201	63.75	132
30	46.805	73	43.21	41	22.008	142	62.43	155
Mai 10	46.732	34	43.62	53	21.866	78	60.88	171
20	46.698	7	44.15	64	21.788	8	59.17	181
30	46.705	50	44.79	74	21.780	62	57.36	186
Juni 9	46.755	91	45.53	83	21.842	130	55.50	185
19	46.846	129	46.36	90	21.972	195	53.65	179
29	46.975	164	47.26	93	22.167	255	51.86	168
Juli 9	47.139	194	48.19	94	22.422	309	50.18	154
19	47.333	222	49.13	92	22.731	355	48.64	137
29	47.555	243	50.05	84	23.086	394	47.27	118
Aug. 8	47.798	260	50.89	73	23.480	426	46.09	96
18	48.058	275	51.62	59	23.906	452	45.13	74
28	48.333	284	52.21	40	24.358	469	44.39	51
Sept. 7	48.617	289	52.61	20	24.827	480	43.88	27
17	48.906	291	52.81	3	25.307	485	43.61	4
27	49.197	290	52.78	25	25.792	483	43.57	20
Okt. 7	49.487	285	52.53	47	26.275	475	43.77	45
17	49.772	276	52.06	67	26.750	458	44.22	69
27	50.048	262	51.39	85	27.208	434	44.91	93
Nov. 6	50.310	243	50.54	98	27.642	401	45.84	116
16	50.553	219	49.56	107	28.043	359	47.00	136
26	50.772	189	48.49	111	28.402	306	48.36	154
Dez. 6	50.961	153	47.38	111	28.708	245	49.90	169
16	$_{19}$51.114	113	46.27	106	$_{20}$28.953	175	51.59	179
25	51.227	68	45.21	98	29.128	100	53.38	182
35	51.295		44.23		29.228		55.20	
Mittl. Ort	45.635		49.01		20.373		56.22	
sec δ, tg δ	1.008		+0.130		1.713		+1.391	
a, *a′*	+3.2		+0.7		+4.9		+0.5	
b, *b′*	0.00		−1.00		0.00		−1.00	

Tag	227) β Aurigae AR.	Δ	Dekl.	Δ	228) ϑ Aurigae AR.	Δ	Dekl.	Δ
1937	5h 54m		+44° 56′		5h 55m		+37° 12′	
Jan. 0	57.907	59	35.33	130	28.644	60	35.86	84
10	57.966	7	36.63	125	28.704	0	36.70	84
20	57.959	70	37.88	116	28.704	57	37.54	79
30	57.889	129	39.04	101	28.647	108	38.33	69
Febr. 9	57.760	178	40.05	80	28.539	154	39.02	55
19	57.582	217	40.85	56	28.385	189	39.57	37
März 1	57.365	242	41.41	28	28.196	211	39.94	18
11	57.123	253	41.69	0	27.985	221	40.12	3
21	56.870	248	41.69	30	27.764	218	40.09	24
31	56.622	231	41.39	57	27.546	202	39.85	44
Apr. 10	56.391	200	40.82	81	27.344	173	39.41	61
20	56.191	159	40.01	102	27.171	138	38.80	76
30	56.032	109	38.99	118	27.033	93	38.04	86
Mai 10	55.923	55	37.81	130	26.940	44	37.18	93
20	55.868	2	36.51	136	26.896	7	36.25	97
30	55.870	62	35.15	137	26.903	59	35.28	95
Juni 9	55.932	118	33.78	136	26.962	111	34.33	93
19	56.050	171	32.42	129	27.073	158	33.40	86
29	56.221	221	31.13	120	27.231	201	32.54	78
Juli 9	56.442	264	29.93	108	27.432	240	31.76	68
19	56.706	302	28.85	95	27.672	274	31.08	58
29	57.008	334	27.90	80	27.946	301	30.50	49
Aug. 8	57.342	359	27.10	66	28.247	323	30.01	39
18	57.701	379	26.44	50	28.570	341	29.62	29
28	58.080	393	25.94	34	28.911	352	29.33	20
Sept. 7	58.473	402	25.60	19	29.263	361	29.13	12
17	58.875	406	25.41	4	29.624	364	29.01	5
27	59.281	404	25.37	12	29.988	363	28.96	4
Okt. 7	59.685	398	25.49	28	30.351	357	29.00	11
17	60.083	385	25.77	42	30.708	346	29.11	21
27	60.468	367	26.19	59	31.054	331	29.32	30
Nov. 6	60.835	340	26.78	76	31.385	307	29.62	39
16	61.175	306	27.54	92	31.692	278	30.01	51
26	61.481	264	28.46	105	31.970	241	30.52	61
Dez. 6	61.745	214	29.51	117	32.211	197	31.13	71
16	$_{20}$61.959	157	30.68	125	$_{20}$32.408	147	31.84	79
25	62.116	95	31.93	130	32.555	91	32.63	84
35	62.211		33.23		32.646		33.47	
Mittl. Ort	54.468		35.01		25.527		36.09	
sec δ, tg δ	1.413		+0.998		1.256		+0.759	
a, *a′*	+4.4		+0.4		+4.1		+0.4	
b, *b′*	0.00		−1.00		0.00		−1.00	

Tag		229) η Columbae				232) ν Orionis				236) η Geminorum				234) 22 H. Camelop.			
		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1937		$5^h\ 57^m$		$-42°\ 48'$		$6^h\ 3^m$		$+14°\ 46'$		$6^h\ 11^m$		$+22°\ 31'$		$6^h\ 11^m$		$+69°\ 20'$	
Jan.	0	$15^s.572$	25	$69''.85$	317	$61^s.112$	59	$36''.64$	52	$7^s.250$	70	$34''.27$	6	$60^s.64$	9	$42''.68$	253
	10	15.547	83	73.02	291	61.171	10	36.12	43	7.320	18	34.21	1	60.73	5	45.21	246
	20	15.464	139	75.93	257	61.181	38	35.69	35	7.338	32	34.22	6	60.68	17	47.67	228
	30	15.325	187	78.50	217	61.143	82	35.34	26	7.306	80	34.28	9	60.51	28	49.95	201
Febr.	9	15.138	228	80.67	172	61.061	120	35.08	21	7.226	120	34.37	10	60.23	38	51.96	166
	19	14.910	259	82.39	125	60.941	151	34.87	15	7.106	154	34.47	8	59.85	46	53.62	125
März	1	14.651	279	83.64	76	60.790	171	34.72	12	6.952	176	34.55	3	59.39	52	54.87	78
	11	14.372	288	84.40	27	60.619	181	34.60	8	6.776	188	34.58	1	58.87	54	55.65	28
	21	14.084	284	84.67	23	60.438	179	34.52	6	6.588	188	34.57	7	58.33	55	55.93	22
	31	13.800	270	84.44	71	60.259	167	34.46	4	6.400	176	34.50	12	57.78	52	55.71	71
Apr.	10	13.530	246	83.73	116	60.092	146	34.42	0	6.224	155	34.38	17	57.26	47	55.00	117
	20	13.284	213	82.57	159	59.946	117	34.42	5	6.069	126	34.21	19	56.79	40	53.83	157
	30	13.071	172	80.98	197	59.829	82	34.47	10	5.943	89	34.02	21	56.39	31	52.26	191
Mai	10	12.899	126	79.01	232	59.747	41	34.57	16	5.854	48	33.81	20	56.08	21	50.35	219
	20	12.773	76	76.69	261	59.706	0	34.73	23	5.806	5	33.61	18	55.87	11	48.16	239
	30	12.697	24	74.08	282	59.706	43	34.96	31	5.801	39	33.43	14	55.76	1	45.77	251
Juni	9	12.673	28	71.26	297	59.749	85	35.27	37	5.840	83	33.29	9	55.77	11	43.26	256
	19	12.701	80	68.29	305	59.834	124	35.64	43	5.923	124	33.20	5	55.88	23	40.70	255
	29	12.781	129	65.24	303	59.958	160	36.07	48	6.047	162	33.15	0	56.11	33	38.15	246
Juli	9	12.910	176	62.21	292	60.118	192	36.55	50	6.209	196	33.15	3	56.44	41	35.69	232
	19	13.086	217	59.29	274	60.310	220	37.05	49	6.405	225	33.18	7	56.85	50	33.37	213
	29	13.303	254	56.55	245	60.530	244	37.54	46	6.630	251	33.25	7	57.35	58	31.24	190
Aug.	8	13.557	286	54.10	208	60.774	263	38.00	41	6.881	271	33.32	6	57.93	64	29.34	163
	18	13.843	312	52.02	164	61.037	277	38.41	32	7.152	288	33.38	2	58.57	69	27.71	133
	28	14.155	331	50.38	113	61.314	289	38.73	20	7.440	301	33.40	1	59.26	73	26.38	101
Sept.	7	14.486	343	49.25	56	61.603	296	38.93	6	7.741	309	33.39	9	59.99	76	25.37	67
	17	14.829	349	48.69	3	61.899	301	38.99	8	8.050	314	33.30	15	60.75	77	24.70	31
	27	15.178	347	48.72	64	62.200	301	38.91	24	8.364	316	33.15	23	61.52	78	24.39	5
Okt.	7	15.525	338	49.36	124	62.501	297	38.67	39	8.680	315	32.92	29	62.30	76	24.44	41
	17	15.863	321	50.60	180	62.798	291	38.28	51	8.995	307	32.63	35	63.06	74	24.85	79
	27	16.184	296	52.40	230	63.089	278	37.77	62	9.302	296	32.28	37	63.80	71	25.64	115
Nov.	6	16.480	264	54.70	273	63.367	261	37.15	70	9.598	280	31.91	39	64.51	65	26.79	150
	16	16.744	224	57.43	307	63.628	237	36.45	74	9.878	255	31.52	37	65.16	58	28.29	181
	26	16.968	178	60.50	328	63.865	208	35.71	73	10.133	226	31.15	33	65.74	50	30.10	209
Dez.	6	17.146	125	63.78	340	64.073	173	34.98	70	10.359	189	30.82	26	66.24	40	32.19	232
	16	$_{21}$17.271	69	67.18	340	$_{22}$64.246	131	34.28	65	$_{24}$10.548	145	30.56	18	$_{24}$66.64	28	34.51	246
	25	17.340	10	70.58	328	64.377	85	33.63	57	10.693	99	30.38	10	66.92	16	36.97	254
	35	17.350		73.86		64.462		33.06		10.792		30.28		67.08		39.51	
Mittl. Ort		13.100		64.99		58.516		38.87		4.514		36.51		54.50		42.92	
sec δ, tg δ		1.363		−0.927		1.034		+0.264		1.083		+0.415		2.835		+2.653	
$a,\ a'$		+1.8		+0.2		+3.4		−0.3		+3.6		−1.0		+6.6		−1.0	
$b,\ b'$		0.00		−1.00		0.00		−1.00		0.00		−1.00		−0.01		−1.00	

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Tag	240) ζ Canis maj. AR.		240) Dekl.		241) μ Geminorum AR.		241) Dekl.		243) β Canis maj. AR.		243) Dekl.		242) ψ^1 Aurigae AR.		242) Dekl.	
1937	$6^h\ 17^m$		−30° 1′		$6^h\ 19^m$		+22° 32′		$6^h\ 19^m$		−17° 55′		$6^h\ 20^m$		+49° 19′	
Jan. 0	56ˢ.013	27	67″.38	289	11ˢ.740	78	48″.91	8	57ˢ.850	46	27″.97	238	6ˢ.609	94	18″.35	153
10	56.040	25	70.27	267	11.818	27	48.83	1	57.896	3	30.35	219	6.703	22	19.88	153
20	56.015	76	72.94	239	11.845	25	48.84	6	57.893	51	32.54	195	6.725	49	21.41	147
30	55.939	122	75.33	205	11.820	73	48.90	11	57.842	94	34.49	167	6.676	116	22.88	133
Febr. 9	55.817	162	77.38	168	11.747	115	49.01	11	57.748	133	36.16	136	6.560	175	24.21	113
19	55.655	194	79.06	128	11.632	149	49.12	10	57.615	164	37.52	103	6.385	222	25.34	87
März 1	55.461	216	80.34	85	11.483	174	49.22	7	57.451	185	38.55	69	6.163	256	26.21	58
11	55.245	227	81.19	44	11.309	186	49.29	2	57.266	197	39.24	36	5.907	273	26.79	26
21	55.018	229	81.63	0	11.123	188	49.31	4	57.069	198	39.60	2	5.634	276	27.05	7
31	54.789	219	81.63	41	10.935	178	49.27	9	56.871	189	39.62	32	5.358	264	26.98	39
Apr. 10	54.570	200	81.22	80	10.757	158	49.18	14	56.682	172	39.30	63	5.094	236	26.59	71
20	54.370	174	80.42	120	10.599	130	49.04	17	56.510	146	38.67	94	4.858	198	25.88	97
30	54.196	140	79.22	154	10.469	94	48.87	19	56.364	114	37.73	122	4.660	149	24.91	120
Mai 10	54.056	101	77.68	185	10.375	55	48.68	20	56.250	78	36.51	148	4.511	94	23.71	138
20	53.955	59	75.83	213	10.320	12	48.48	18	56.172	39	35.03	171	4.417	35	22.33	151
30	53.896	16	73.70	236	10.308	32	48.30	15	56.133	2	33.32	189	4.382	26	20.82	159
Juni 9	53.880	29	71.34	251	10.340	76	48.15	12	56.135	43	31.43	203	4.408	87	19.23	162
19	53.909	72	68.83	261	10.416	116	48.03	7	56.178	82	29.40	212	4.495	146	17.61	161
29	53.981	113	66.22	262	10.532	154	47.96	4	56.260	119	27.28	214	4.641	200	16.00	156
Juli 9	54.094	152	63.60	257	10.686	189	47.92	0	56.379	154	25.14	210	4.841	249	14.44	147
19	54.246	187	61.03	244	10.875	219	47.92	2	56.533	186	23.04	199	5.090	294	12.97	135
29	54.433	219	58.59	221	11.094	244	47.94	1	56.719	212	21.05	181	5.384	331	11.62	122
Aug. 8	54.652	246	56.38	192	11.338	267	47.95	1	56.931	235	19.24	157	5.715	364	10.40	107
18	54.898	268	54.46	154	11.605	283	47.96	3	57.166	256	17.67	126	6.079	390	9.33	91
28	55.166	287	52.92	111	11.888	297	47.93	8	57.422	270	16.41	89	6.469	411	8.42	73
Sept. 7	55.453	299	51.81	62	12.185	307	47.85	14	57.692	282	15.52	48	6.880	425	7.69	56
17	55.752	308	51.19	9	12.492	314	47.71	22	57.974	290	15.04	4	7.305	435	7.13	36
27	56.060	310	51.10	45	12.806	317	47.49	29	58.264	292	15.00	42	7.740	439	6.77	17
Okt. 7	56.370	308	51.55	99	13.123	316	47.20	35	58.556	291	15.42	87	8.179	438	6.60	3
17	56.678	299	52.54	150	13.439	311	46.85	41	58.847	284	16.29	131	8.617	429	6.63	25
27	56.977	284	54.04	196	13.750	301	46.44	44	59.131	272	17.60	169	9.046	414	6.88	46
Nov. 6	57.261	261	56.00	237	14.051	285	46.00	44	59.403	254	19.29	202	9.460	389	7.34	68
16	57.522	232	58.37	269	14.336	263	45.56	42	59.657	230	21.31	228	9.849	356	8.02	89
26	57.754	197	61.06	290	14.599	233	45.14	37	59.887	199	23.59	244	10.205	314	8.91	110
Dez. 6	57.951	155	63.96	302	14.832	197	44.77	30	60.086	162	26.03	254	10.519	262	10.01	128
16	58.106	108	66.98	305	15.029	154	44.47	21	60.248	119	28.57	254	10.781	201	11.29	142
26	58.214	58	70.03	297	15.183	107	44.26	12	60.367	73	31.11	245	10.982	134	12.71	151
35	[26] 58.272		73.00		[26] 15.290		44.14		[26] 60.440		33.56		[26] 11.116		14.22	
Mittl. Ort	53.632		63.25		9.000		51.67		55.491		24.05		2.914		20.20	
sec δ, tg δ	1.155		−0.578		1.083		+0.415		1.051		−0.323		1.534		+1.164	
a, *a′*	+2.3		−1.6		+3.6		−1.7		+2.6		−1.7		+4.6		−1.8	
b, *b′*	0.00		−1.00		0.00		−1.00		0.00		−1.00		−0.01		−1.00	

Tag	244) 8 Monocerotis AR.	Δ	244) 8 Monocerotis Dekl.	Δ	245) α Argus AR.	Δ	245) α Argus Dekl.	Δ	246) 10 Monocerotis AR.	Δ	246) 10 Monocerotis Dekl.	Δ	247) 8 Lyncis AR.	Δ	247) 8 Lyncis Dekl.	Δ
1937	$6^h 20^m$		$+4° 37'$		$6^h 22^m$		$-52° 39'$		$6^h 24^m$		$-4° 43'$		$6^h 31^m$		$+61° 32'$	
Jan. 0	28.289	67	31.22	117	35.844	23	42.56	352	53.326	65	22.10	172	61.03	12	18.17	216
10	28.356	20	30.05	104	35.821	94	46.08	328	53.391	16	23.82	156	61.15	3	20.33	215
20	28.376	27	29.01	89	35.727	162	49.36	297	53.407	31	25.38	137	61.18	7	22.48	206
30	28.349	72	28.12	73	35.565	222	52.33	258	53.376	74	26.75	116	61.11	16	24.54	188
Febr. 9	28.277	111	27.39	58	35.343	274	54.91	214	53.302	113	27.91	94	60.95	24	26.42	161
19	28.166	142	26.81	42	35.069	314	57.05	165	53.189	145	28.85	70	60.71	31	28.03	129
März 1	28.024	164	26.39	28	34.755	344	58.70	114	53.044	167	29.55	48	60.40	36	29.32	90
11	27.860	176	26.11	15	34.411	359	59.84	63	52.877	179	30.03	25	60.04	39	30.22	47
21	27.684	177	25.96	2	34.052	361	60.47	9	52.698	181	30.28	2	59.65	39	30.69	4
31	27.507	168	25.94	11	33.691	351	60.56	43	52.517	173	30.30	19	59.26	38	30.73	40
Apr. 10	27.339	151	26.05	24	33.340	329	60.13	92	52.344	156	30.11	40	58.88	35	30.33	81
20	27.188	125	26.29	37	33.011	296	59.21	140	52.188	132	29.71	60	58.53	31	29.52	119
30	27.063	92	26.66	48	32.715	254	57.81	183	52.056	101	29.11	80	58.22	24	28.33	153
Mai 10	26.971	57	27.14	61	32.461	206	55.98	223	51.955	65	28.31	98	57.98	17	26.80	179
20	26.914	17	27.75	72	32.255	151	53.75	257	51.890	27	27.33	114	57.81	9	25.01	201
30	26.897	23	28.47	82	32.104	93	51.18	284	51.863	12	26.19	128	57.72	2	23.00	215
Juni 9	26.920	63	29.29	91	32.011	32	48.34	304	51.875	52	24.91	139	57.70	7	20.85	223
19	26.983	100	30.20	97	31.979	29	45.30	315	51.927	89	23.52	146	57.77	15	18.62	225
29	27.083	136	31.17	100	32.008	90	42.15	319	52.016	124	22.06	149	57.92	22	16.37	222
Juli 9	27.219	167	32.17	99	32.098	147	38.96	313	52.140	157	20.57	147	58.14	29	14.15	213
19	27.386	197	33.16	95	32.245	202	35.83	297	52.297	186	19.10	140	58.43	36	12.02	201
29	27.583	220	34.11	86	32.447	253	32.86	272	52.483	211	17.70	128	58.79	41	10.01	183
Aug. 8	27.803	241	34.97	74	32.700	297	30.14	237	52.694	233	16.42	110	59.20	46	8.18	163
18	28.044	258	35.71	58	32.997	336	27.77	193	52.927	250	15.32	87	59.66	51	6.55	141
28	28.302	271	36.29	37	33.333	367	25.84	143	53.177	265	14.45	59	60.17	53	5.14	115
Sept. 7	28.573	281	36.66	14	33.700	390	24.41	85	53.442	276	13.86	29	60.70	56	3.99	89
17	28.854	288	36.80	10	34.090	404	23.56	23	53.718	283	13.57	5	61.26	58	3.10	60
27	29.142	290	36.70	36	34.494	409	23.33	40	54.001	288	13.62	39	61.84	58	2.50	29
Okt. 7	29.432	290	36.34	62	34.903	404	23.73	105	54.289	287	14.01	73	62.42	58	2.21	2
17	29.722	285	35.72	84	35.307	388	24.78	167	54.576	282	14.74	105	63.00	58	2.23	33
27	30.007	276	34.88	104	35.695	363	26.45	223	54.858	273	15.79	133	63.58	56	2.56	66
Nov. 6	30.283	260	33.84	120	36.058	325	28.68	272	55.131	257	17.12	157	64.14	52	3.22	99
16	30.543	239	32.64	131	36.383	280	31.40	313	55.388	236	18.69	175	64.66	48	4.21	129
26	30.782	212	31.33	137	36.663	223	34.53	341	55.624	209	20.44	185	65.14	42	5.50	157
Dez. 6	30.994	177	29.96	136	36.886	161	37.94	360	55.833	174	22.29	190	65.56	35	7.07	181
16	31.171	138	28.60	133	37.047	93	41.54	365	56.007	134	24.19	187	65.91	27	8.88	201
26	[27] 31.309	94	27.27	123	[27] 37.140	21	45.19	360	[28] 56.141	91	26.06	179	[29] 66.18	18	10.89	213
35	31.403		26.04		37.161		48.79		56.232		27.85		66.36		13.02	
Mittl. Ort	25.810		34.63		33.123		38.48		50.920		18.35		56.27		20.87	
sec δ, tg δ	1.003		+0.081		1.649		−1.311		1.003		−0.083		2.098		+1.845	
a, *a'*	+3.2		−1.8		+1.3		−2.0		+3.0		−2.2		+5.5		−2.8	
b, *b'*	0.00		−1.00		+0.01		−1.00		0.00		−0.99		−0.02		−0.99	

Scheinbare Sternörter 1937

Tag	249) ξ² Canis maj. AR.	Diff.	249) Dekl.	Diff.	251) γ Geminorum AR.	Diff.	251) Dekl.	Diff.	250) 51 Aurigae AR.	Diff.	250) Dekl.	Diff.	248) 23 H. Camelop. AR.	Diff.	248) Dekl.	Diff.
1937	$6^h\ 32^m$		−22° 54′		$6^h\ 34^m$		+16° 27′		$6^h\ 34^m$		+39° 26′		$6^h\ 35^m$		+79° 37′	
	s		″		s		″		s		″		s		″	
Jan. 0	27.295	53	53.34	266	7.031	90	12.99	49	20.927	107	50.39	93	42.19	20	72.01	290
10	27.348	2	56.00	247	7.121	39	12.50	37	21.034	44	51.32	100	42.39	5	74.91	286
20	27.350	48	58.47	222	7.160	12	12.13	27	21.078	18	52.32	100	42.34	30	77.77	273
30	27.302	93	60.69	192	7.148	59	11.86	18	21.060	77	53.32	95	42.04	53	80.50	247
Febr. 9	27.209	134	62.61	159	7.089	102	11.68	10	20.983	130	54.27	84	41.51	73	82.97	211
19	27.075	167	64.20	123	6.987	137	11.58	5	20.853	172	55.11	70	40.78	90	85.08	168
März 1	26.908	191	65.43	87	6.850	162	11.53	2	20.681	204	55.81	51	39.88	102	86.76	117
11	26.717	205	66.30	49	6.688	177	11.51	1	20.477	223	56.32	29	38.86	109	87.93	62
21	26.512	207	66.79	11	6.511	181	11.52	1	20.254	229	56.61	6	37.77	112	88.55	5
31	26.305	202	66.90	26	6.330	174	11.53	2	20.025	220	56.67	17	36.65	110	88.60	51
Apr. 10	26.103	185	66.64	61	6.156	158	11.55	3	19.805	200	56.50	40	35.55	103	88.09	105
20	25.918	161	66.03	95	5.998	133	11.58	4	19.605	169	56.10	59	34.52	91	87.04	154
30	25.757	131	65.08	128	5.865	100	11.62	6	19.436	130	55.51	77	33.61	77	85.50	198
Mai 10	25.626	95	63.80	156	5.765	64	11.68	9	19.306	85	54.74	90	32.84	59	83.52	234
20	25.531	57	62.24	181	5.701	24	11.77	13	19.221	36	53.84	100	32.25	40	81.18	263
30	25.474	16	60.43	203	5.677	17	11.90	17	19.185	15	52.84	107	31.85	20	78.55	283
Juni 9	25.458	25	58.40	219	5.694	57	12.07	21	19.200	66	51.77	110	31.65	1	75.72	295
19	25.483	66	56.21	229	5.751	97	12.28	25	19.266	114	50.67	110	31.66	23	72.77	299
29	25.549	104	53.92	232	5.848	134	12.53	27	19.380	161	49.57	107	31.89	43	69.78	296
Juli 9	25.653	140	51.60	229	5.982	167	12.80	29	19.541	203	48.50	103	32.32	62	66.82	285
19	25.793	173	49.31	219	6.149	197	13.09	27	19.744	240	47.47	96	32.94	80	63.97	269
29	25.966	203	47.12	200	6.346	223	13.36	24	19.984	273	46.51	90	33.74	96	61.28	247
Aug. 8	26.169	229	45.12	175	6.569	245	13.60	19	20.257	301	45.61	82	34.70	111	58.81	219
18	26.398	252	43.37	142	6.814	264	13.79	10	20.558	325	44.79	74	35.81	122	56.62	187
28	26.650	269	41.95	103	7.078	279	13.89	1	20.883	344	44.05	65	37.03	132	54.75	152
Sept. 7	26.919	283	40.92	60	7.357	291	13.88	12	21.227	358	43.40	57	38.35	140	53.23	115
17	27.202	294	40.32	12	7.648	300	13.76	27	21.585	369	42.83	48	39.75	145	52.08	73
27	27.496	298	40.20	38	7.948	305	13.49	40	21.954	375	42.35	38	41.20	147	51.35	30
Okt. 7	27.794	300	40.58	87	8.253	306	13.09	53	22.329	378	41.97	27	42.67	147	51.05	14
17	28.094	294	41.45	133	8.559	304	12.56	64	22.707	373	41.70	14	44.14	144	51.19	58
27	28.388	283	42.78	177	8.863	297	11.92	73	23.080	364	41.56	1	45.58	137	51.77	103
Nov. 6	28.671	266	44.55	214	9.160	283	11.19	79	23.444	346	41.55	13	46.95	128	52.80	146
16	28.937	241	46.69	244	9.443	263	10.40	80	23.790	322	41.68	30	48.23	115	54.26	186
26	29.178	210	49.13	265	9.706	237	9.60	79	24.112	288	41.98	47	49.38	99	56.12	222
Dez. 6	29.388	173	51.78	276	9.943	203	8.81	73	24.400	246	42.45	63	50.37	79	58.34	252
16	29.561	129	54.54	279	10.146	162	8.08	64	24.646	197	43.08	77	51.16	58	60.86	274
26	29.690	81	57.33	273	10.308	116	7.44	55	24.843	140	43.85	89	51.74	34	63.60	288
35	^{30}29.771		60.06		^{30}10.424		6.89		^{30}24.983		44.74		^{30}52.08		66.48	
Mittl. Ort	24.927		49.40		4.400		16.78		17.715		53.83		31.10		74.65	
sec δ, tg δ	1.086		−0.423		1.043		+0.295		1.295		+0.823		5.559		+5.469	
a, a'	+2.5		−2.8		+3.5		−3.0		+4.2		−3.0		+10.3		−3.1	
b, b'	0.00		−0.99		0.00		−0.99		−0.01		−0.99		−0.06		−0.99	

Tag	252) ν Argus AR.		252) Dekl.		253) *S* Monocerotis AR.		253) Dekl.		254) ε Geminorum AR.		254) Dekl.		256) ξ Geminorum AR.		256) Dekl.	
1937	$6^h\ 35^m$		$-43°\ 8'$		$6^h\ 37^m$		$+9°\ 57'$		$6^h\ 40^m$		$+25°\ 11'$		$6^h\ 41^m$		$+12°\ 57'$	
Jan. 0*)	52.511	24	27.79	339	°33.107	88	16.03	90	°6.260	102	38.81	5	47.844	94	49.86	72
10	52.535	37	31.18	318	33.195	39	15.13	77	6.362	48	38.86	15	I 47.938	45	49.14	60
20	52.498	97	34.36	289	33.234	11	14.36	63	6.410	5	39.01	22	47.983	6	48.54	48
30	52.401	152	37.25	254	33.223	57	13.73	50	6.405	57	39.23	26	47.977	53	48.06	36
Febr. 9	52.249	198	39.79	214	33.166	99	13.23	37	6.348	103	39.49	29	47.924	96	47.70	25
19	52.051	237	41.93	169	33.067	133	12.86	27	6.245	141	39.78	27	47.828	132	47.45	16
März 1	51.814	265	43.62	121	32.934	158	12.59	16	6.104	169	40.05	21	47.696	157	47.29	9
11	51.549	282	44.83	73	32.776	173	12.43	8	5.935	186	40.26	15	47.539	174	47.20	3
21	51.267	286	45.56	23	32.603	177	12.35	1	5.749	191	40.41	7	47.365	178	47.17	1
31	50.981	279	45.79	25	32.426	171	12.36	7	5.558	186	40.48	2	47.187	173	47.18	6
Apr. 10	50.702	263	45.54	73	32.255	156	12.43	14	5.372	168	40.46	11	47.014	158	47.24	10
20	50.439	235	44.81	118	32.099	131	12.57	22	5.204	144	40.35	17	46.856	135	47.34	14
30	50.204	202	43.63	160	31.968	102	12.79	29	5.060	110	40.18	23	46.721	104	47.48	18
Mai 10	50.002	161	42.03	198	31.866	66	13.08	37	4.950	72	39.95	28	46.617	69	47.66	24
20	49.841	116	40.05	231	31.800	28	13.45	44	4.878	30	39.67	30	46.548	31	47.90	29
30	49.725	67	37.74	259	31.772	11	13.89	51	4.848	13	39.37	30	46.517	9	48.19	34
Juni 9	49.658	17	35.15	279	31.783	51	14.40	57	4.861	55	39.07	29	46.526	49	48.53	39
19	49.641	32	32.36	293	31.834	89	14.97	61	4.916	97	38.78	28	46.575	86	48.92	43
29	49.673	82	29.43	298	31.923	125	15.58	64	5.013	137	38.50	26	46.661	123	49.35	45
Juli 9	49.755	130	26.45	294	32.048	157	16.22	65	5.150	172	38.24	25	46.784	156	49.80	45
19	49.885	175	23.51	282	32.205	186	16.87	61	5.322	203	37.99	23	46.940	186	50.25	43
29	50.060	216	20.69	260	32.391	213	17.48	55	5.525	232	37.76	23	47.126	212	50.68	38
Aug. 8	50.276	252	18.09	229	32.604	235	18.03	46	5.757	256	37.53	24	47.338	235	51.06	29
18	50.528	284	15.80	189	32.839	253	18.49	32	6.013	276	37.29	26	47.573	254	51.35	19
28	50.812	312	13.91	143	33.092	268	18.81	17	6.289	293	37.03	30	47.827	270	51.54	6
Sept. 7	51.124	332	12.48	88	33.360	281	18.98	1	6.582	307	36.73	34	48.097	283	51.60	10
17	51.456	346	11.60	31	33.641	290	18.97	21	6.889	316	36.39	40	48.380	292	51.50	27
27	51.802	354	11.29	30	33.931	296	18.76	42	7.205	323	35.99	44	48.672	299	51.23	44
Okt. 7	52.156	353	11.59	91	34.227	298	18.34	61	7.528	326	35.55	48	48.971	302	50.79	61
17	52.509	345	12.50	150	34.525	295	17.73	79	7.854	324	35.07	50	49.273	301	50.18	76
27	52.854	329	14.00	206	34.820	289	16.94	94	8.178	317	34.57	49	49.574	294	49.42	88
Nov. 6	53.183	302	16.06	253	35.109	276	16.00	106	8.495	304	34.08	48	49.868	282	48.54	97
16	53.485	269	18.59	293	35.385	257	14.94	112	8.799	284	33.60	42	50.150	263	47.57	101
26	53.754	226	21.52	323	35.642	231	13.82	115	9.083	256	33.18	34	50.413	238	46.56	101
Dez. 6	53.980	176	24.75	341	35.873	199	12.67	112	9.339	221	32.84	24	50.651	205	45.55	97
16	54.156	120	28.16	348	36.072	159	11.55	105	9.560	179	32.60	13	50.856	166	44.58	89
26	54.276	61	31.64	345	36.231	114	10.50	96	9.739	131	32.47	1	51.022	121	43.69	79
35	30 54.337		35.09		31 36.345		9.54		32 9.870		32.46		32 51.143		42.90	
Mittl. Ort	49.985		24.10		30.566		20.05		3.467		42.89		45.266		54.08	
sec δ, tg δ	1.371		−0.937		1.015		+0.176		1.105		+0.470		1.026		+0.230	
a, *a′*	+1.8		−3.1		+3.3		−3.3		+3.7		−3.5		+3.4		−3.6	
b, *b′*	+0.01		−0.99		0.00		−0.99		−0.01		−0.98		0.00		−0.98	

*) Bei Stern 256) lies Jan. 1.

Scheinbare Sternörter 1937

Tag	257) α Canis maj. [1] AR.		Dekl.		258) 18 Monocerotis AR.		Dekl.		262) α Pictoris AR.		Dekl.		261) ϑ Geminorum AR.		Dekl.	
1937	6h 42m		−16° 37′		6h 44m		+2° 28′		6h 47m		−61° 52′		6h 48m		+34° 2′	
	s		″		s		″		s		″		s		″	
Jan. 1	$_{1}$24.721	66	48.70	242	$_{1}$37.084	90	52.56	137	$_{2}$35.93	1	27.26	373	$_{2}$41.375	119	15.66	58
10	24.787	16	51.12	225	37.174	40	51.19	122	35.92	11	30.99	355	41.494	60	16.24	67
20	24.803	33	53.37	201	37.214	8	49.97	105	35.81	20	34.54	328	41.554	1	16.91	73
30	24.770	79	55.38	174	37.206	54	48.92	88	35.61	28	37.82	293	41.555	55	17.64	73
Febr. 9	24.691	119	57.12	144	37.152	96	48.04	70	35.33	34	40.75	252	41.500	107	18.37	69
19	24.572	153	58.56	111	37.056	130	47.34	52	34.99	40	43.27	205	41.393	149	19.06	60
März 1	24.419	177	59.67	80	36.926	154	46.82	35	34.59	44	45.32	154	41.244	182	19.66	49
11	24.242	191	60.47	46	36.772	172	46.47	19	34.15	47	46.86	102	41.062	202	20.15	32
21	24.051	195	60.93	14	36.600	177	46.28	4	33.68	48	47.88	48	40.860	210	20.47	16
31	23.856	189	61.07	19	36.423	171	46.24	11	33.20	48	48.36	5	40.650	205	20.63	3
Apr. 10	23.667	175	60.88	49	36.252	158	46.35	26	32.72	46	48.31	58	40.445	189	20.60	19
20	23.492	151	60.39	79	36.094	135	46.61	39	32.26	42	47.73	109	40.256	163	20.41	36
30	23.341	122	59.60	106	35.959	107	47.00	52	31.84	38	46.64	157	40.093	128	20.05	51
Mai 10	23.219	88	58.54	132	35.852	73	47.52	66	31.46	33	45.07	200	39.965	88	19.54	62
20	23.131	51	57.22	154	35.779	36	48.18	77	31.13	26	43.07	239	39.877	44	18.92	70
30	23.080	12	55.68	172	35.743	1	48.95	87	30.87	20	40.68	272	39.833	3	18.22	77
Juni 9	23.068	28	53.96	187	35.744	40	49.82	96	30.67	12	37.96	297	39.836	49	17.45	80
19	23.096	67	52.09	196	35.784	77	50.78	101	30.55	5	34.99	315	39.885	94	16.65	81
29	23.163	103	50.13	199	35.861	112	51.79	104	30.50	3	31.84	324	39.979	137	15.84	81
Juli 9	23.266	138	48.14	196	35.973	145	52.83	104	30.53	11	28.60	323	40.116	176	15.03	79
19	23.404	169	46.18	187	36.118	174	53.87	99	30.64	18	25.37	313	40.292	211	14.24	76
29	23.573	198	44.31	172	36.292	200	54.86	89	30.82	25	22.24	292	40.503	244	13.48	73
Aug. 8	23.771	222	42.59	148	36.492	223	55.75	76	31.07	32	19.32	262	40.747	270	12.75	70
18	23.993	243	41.11	119	36.715	242	56.51	59	31.39	38	16.70	222	41.017	294	12.05	66
28	24.236	261	39.92	85	36.957	259	57.10	37	31.77	42	14.48	174	41.311	313	11.39	64
Sept. 7	24.497	275	39.07	45	37.216	272	57.47	12	32.19	46	12.74	118	41.624	330	10.75	60
17	24.772	285	38.62	2	37.488	282	57.59	14	32.65	50	11.56	56	41.954	342	10.15	57
27	25.057	292	38.60	42	37.770	290	57.45	42	33.15	51	11.00	9	42.296	350	9.58	53
Okt. 7	25.349	292	39.02	87	38.060	292	57.03	70	33.66	51	11.09	74	42.646	354	9.05	48
17	25.641	290	39.89	129	38.352	291	56.33	95	34.17	49	11.83	140	43.000	354	8.57	40
27	25.931	280	41.18	168	38.643	285	55.38	117	34.66	47	13.23	201	43.354	348	8.17	32
Nov. 6	26.211	266	42.86	201	38.928	273	54.21	135	35.13	43	15.24	256	43.702	335	7.85	20
16	26.477	243	44.87	227	39.201	255	52.86	148	35.56	36	17.80	303	44.037	314	7.65	7
26	26.720	215	47.14	245	39.456	229	51.38	155	35.92	30	20.83	338	44.351	285	7.58	7
Dez. 6	26.935	180	49.59	255	39.685	198	49.83	157	36.22	22	24.21	363	44.636	247	7.65	22
16	27.115	139	52.14	256	39.883	159	48.26	152	36.44	13	27.84	376	44.883	202	7.87	38
26	$_{32}$27.254	92	54.70	249	$_{33}$40.042	115	46.74	143	$_{33}$36.57	4	31.60	376	$_{34}$45.085	150	8.25	52
35	27.346		57.19		40.157		45.31		36.61		35.36		45.235		8.77	
Mittl. Ort	22.353		44.47		34.623		56.83		32.79		24.49		38.359		20.33	
sec δ, tg δ	1.044		−0.299		1.001		+0.043		2.121		−1.871		1.207		+0.675	
a, *a′*	+2.7		−3.7		+3.1		−3.9		+0.6		−4.1		+4.0		−4.2	
b, *b′*	0.00		−0.98		0.00		−0.98		+0.03		−0.98		−0.01		−0.98	

[1] Ort des Hauptsterns; die jährliche Parallaxe (0.″371) ist bereits berücksichtigt.

Tag	266) ϑ Canis maj.				265) 15 Lyncis				268) ε Canis maj.				269) ζ Geminorum			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1937	$6^h\ 51^m$		$-11°\ 57'$		$6^h\ 51^m$		$+58°\ 30'$		$6^h\ 56^m$		$-28°\ 52'$		$7^h\ 0^m$		$+20°\ 39'$	
	s		"		s		"		s		"		s		"	
Jan. 1	^{3}18.154	84	34.43	220	^{3}54.066	157	23.16	197	^{4}11.336	71	70.47	299	^{5}25.139	120	46.42	29
10	18.238	34	36.63	203	54.223	66	25.13	203	11.407	18	73.46	283	25.259	67	46.13	16
20	18.272	—15	38.66	182	54.289	—25	27.16	199	11.425	—35	76.29	258	25.326	13	45.97	4
30	18.257	61	40.48	158	54.264	111	29.15	188	11.390	85	78.87	229	25.339	—37	45.93	—5
Febr. 9	18.196	103	42.06	131	54.153	190	31.03	167	11.305	129	81.16	194	25.302	84	45.98	12
19	18.093	138	43.37	103	53.963	255	32.70	140	11.176	167	83.10	157	25.218	124	46.10	16
März 1	17.955	164	44.40	74	53.708	306	34.10	106	11.009	195	84.67	117	25.094	154	46.26	18
11	17.791	180	45.14	44	53.402	339	35.16	68	10.814	213	85.84	76	24.940	174	46.44	16
21	17.611	186	45.58	16	53.063	353	35.84	27	10.601	221	86.60	34	24.766	182	46.60	13
31	17.425	183	45.74	—12	52.710	348	36.11	—14	10.380	218	86.94	—6	24.584	181	46.73	9
Apr. 10	17.242	170	45.62	39	52.362	326	35.97	55	10.162	205	86.88	47	24.403	168	46.82	4
20	17.072	149	45.23	66	52.036	288	35.42	92	9.957	185	86.41	85	24.235	146	46.86	1
30	16.923	122	44.57	90	51.748	238	34.50	126	9.772	158	85.56	121	24.089	118	46.87	—3
Mai 10	16.801	89	43.67	113	51.510	177	33.24	154	9.614	124	84.35	155	23.971	83	46.84	4
20	16.712	54	42.54	133	51.333	109	31.70	178	9.490	87	82.80	184	23.888	45	46.80	6
30	16.658	17	41.21	152	51.224	38	29.92	196	9.403	47	80.96	210	23.843	6	46.74	7
Juni 9	16.641	—21	39.69	164	51.186	—34	27.96	207	9.356	6	78.86	229	23.837	—35	46.67	6
19	16.662	59	38.05	174	51.220	106	25.89	213	9.350	—35	76.57	242	23.872	74	46.61	5
29	16.721	95	36.31	178	51.326	175	23.76	214	9.385	76	74.15	250	23.946	112	46.56	5
Juli 9	16.816	128	34.53	177	51.501	240	21.62	209	9.461	114	71.65	248	24.058	147	46.51	6
19	16.944	160	32.76	169	51.741	299	19.53	202	9.575	150	69.17	240	24.205	178	46.45	7
29	17.104	187	31.07	156	52.040	353	17.51	189	9.725	183	66.77	223	24.383	206	46.38	10
Aug. 8	17.291	212	29.51	136	52.393	399	15.62	173	9.908	214	64.54	198	24.589	232	46.28	14
18	17.503	234	28.15	111	52.792	439	13.89	155	10.122	241	62.56	167	24.821	253	46.14	21
28	17.737	253	27.04	79	53.231	473	12.34	135	10.363	264	60.89	126	25.074	272	45.93	29
Sept. 7	17.990	267	26.25	44	53.704	501	10.99	111	10.627	284	59.63	81	25.346	288	45.64	38
17	18.257	280	25.81	5	54.205	521	9.88	86	10.911	298	58.82	30	25.634	300	45.26	48
27	18.537	288	25.76	—36	54.726	534	9.02	59	11.209	308	58.52	—22	25.934	310	44.78	58
Okt. 7	18.825	291	26.12	76	55.260	541	8.43	30	11.517	313	58.74	76	26.244	317	44.20	66
17	19.116	291	26.88	115	55.801	537	8.13	—1	11.830	311	59.50	128	26.561	318	43.54	73
27	19.407	285	28.03	150	56.338	526	8.14	31	12.141	304	60.78	177	26.879	314	42.81	77
Nov. 6	19.692	273	29.53	183	56.864	502	8.45	64	12.445	288	62.55	220	27.193	305	42.04	79
16	19.965	253	31.36	206	57.366	467	9.09	95	12.733	265	64.75	256	27.498	289	41.25	76
26	20.218	227	33.42	222	57.833	419	10.04	125	12.998	235	67.31	282	27.787	264	40.49	70
Dez. 6	20.445	194	35.64	231	58.252	359	11.29	151	13.233	196	70.13	300	28.051	232	39.79	61
16	20.639	155	37.95	232	58.611	287	12.80	175	13.429	152	73.13	306	28.283	193	39.18	49
26	20.794	110	40.27	225	58.898	206	14.55	192	13.581	101	76.19	305	28.476	147	38.69	36
35*)	^{34}20.904		42.52		^{35}59.104		16.47		13.682		79.24		28.623		38.33	
Mittl. Ort	15.778		30.28		49.676		28.02		8.944		66.88		22.451		51.74	
sec.δ, tg δ	1.022		−0.212		1.914		+1.632		1.142		−0.552		1.069		+0.377	
a, *a′*	+2.8		−4.4		+5.2		−4.5		+2.4		−4.9		+3.6		−5.2	
b, *b′*	0.00		−0.98		−0.02		−0.97		+0.01		−0.97		−0.01		−0.97	

*) Bei Stern 268) und 269) lies Dez. 36.

Tag	271) γ Canis maj. AR.		271) γ Canis maj. Dekl.		273) δ Canis maj. AR.		273) δ Canis maj. Dekl.		274) 63 Aurigae AR.		274) 63 Aurigae Dekl.		277) λ Geminorum AR.		277) λ Geminorum Dekl.	
1937	$7^h\ 0^m$		−15° 32′		$7^h\ 5^m$		−26° 17′		$7^h\ 7^m$		+39° 25′		$7^h\ 14^m$		+16° 39′	
Jan. 1	$_6$56.901	90	24.46	241	$_7$52.114	86	35.00	291	$_7$22.732	147	24.52	87	$_9$31.048	130	13.91	58
10	56.991	41	26.87	225	52.200	32	37.91	276	22.879	84	25.39	98	31.178	79	13.33	44
20	57.032	10	29.12	203	52.232	20	40.67	254	22.963	21	26.37	104	31.257	26	12.89	30
30	57.022	57	31.15	178	52.212	70	43.21	225	22.984	42	27.41	106	31.283	25	12.59	16
Febr. 9	56.965	101	32.93	150	52.142	116	45.46	192	22.942	99	28.47	100	31.258	71	12.43	6
19	56.864	136	34.43	119	52.026	153	47.38	157	22.843	148	29.47	90	31.187	112	12.37	3
März 1	56.728	164	35.62	88	51.873	183	48.95	118	22.695	185	30.37	75	31.075	144	12.40	8
11	56.564	181	36.50	56	51.690	201	50.13	80	22.510	211	31.12	56	30.931	165	12.48	12
21	56.383	190	37.06	24	51.489	211	50.93	40	22.299	224	31.68	33	30.766	176	12.60	13
31	56.193	187	37.30	7	51.278	210	51.33	1	22.075	224	32.01	10	30.590	176	12.73	14
Apr. 10	56.006	176	37.23	37	51.068	199	51.34	38	21.851	210	32.11	13	30.414	166	12.87	13
20	55.830	157	36.86	66	50.869	181	50.96	75	21.641	186	31.98	36	30.248	147	13.00	13
30	55.673	131	36.20	94	50.688	155	50.21	110	21.455	153	31.62	57	30.101	122	13.13	12
Mai 10	55.542	100	35.26	118	50.533	123	49.11	142	21.302	113	31.05	74	29.979	90	13.25	12
20	55.442	65	34.08	142	50.410	87	47.69	171	21.189	68	30.31	89	29.889	55	13.37	13
30	55.377	28	32.66	161	50.323	50	45.98	195	21.121	21	29.42	101	29.834	17	13.50	13
Juni 9	55.349	9	31.05	176	50.273	10	44.03	216	21.100	27	28.41	108	29.817	21	13.63	14
19	55.358	47	29.29	188	50.263	29	41.87	229	21.127	75	27.33	114	29.838	59	13.77	15
29	55.405	83	27.41	192	50.292	68	39.58	237	21.202	121	26.19	117	29.897	95	13.92	15
Juli 9	55.488	118	25.49	191	50.360	106	37.21	237	21.323	164	25.02	117	29.992	128	14.07	14
19	55.606	149	23.58	185	50.466	142	34.84	228	21.487	203	23.85	115	30.120	160	14.21	10
29	55.755	179	21.73	171	50.608	173	32.56	215	21.690	238	22.70	112	30.280	189	14.31	5
Aug. 8	55.934	205	20.02	150	50.781	204	30.41	192	21.928	270	21.58	108	30.469	214	14.36	2
18	56.139	228	18.52	124	50.985	231	28.49	161	22.198	297	20.50	103	30.683	236	14.34	11
28	56.367	249	17.28	91	51.216	255	26.88	124	22.495	321	19.47	98	30.919	257	14.23	22
Sept. 7	56.616	266	16.37	54	51.471	275	25.64	80	22.816	341	18.49	90	31.176	274	14.01	36
17	56.882	279	15.83	12	51.746	290	24.84	32	23.157	358	17.59	83	31.450	288	13.65	49
27	57.161	290	15.71	31	52.036	302	24.52	20	23.515	370	16.76	74	31.738	300	13.16	63
Okt. 7	57.451	295	16.02	74	52.338	309	24.72	71	23.885	378	16.02	64	32.038	308	12.53	76
17	57.746	296	16.76	117	52.647	310	25.43	122	24.263	381	15.38	50	32.346	313	11.77	88
27	58.042	290	17.93	157	52.957	303	26.65	169	24.644	378	14.88	36	32.659	311	10.89	96
Nov. 6	58.332	280	19.50	189	53.260	291	28.34	211	25.022	367	14.52	19	32.970	305	9.93	100
16	58.612	260	21.39	218	53.551	270	30.45	247	25.389	347	14.33	0	33.275	290	8.93	101
26	58.872	235	23.57	237	53.821	242	32.92	273	25.736	319	14.33	20	33.565	268	7.92	98
Dez. 6	59.107	202	25.94	248	54.063	206	35.65	290	26.055	282	14.53	41	33.833	238	6.94	91
16	59.309	163	28.42	251	54.269	163	38.55	298	26.337	235	14.94	60	34.071	201	6.03	79
26	59.472	117	30.93	244	54.432	114	41.53	296	26.572	180	15.54	78	34.272	157	5.24	67
36	59.589		33.37		54.546		44.49		26.752		16.32		34.429		4.57	
Mittl. Ort	54.534		20.36		49.736		31.42		19.560		30.77		28.442		19.88	
sec δ, tg δ	1.038		−0.278		1.115		−0.494		1.295		+0.822		1.044		+0.299	
a, *a′*	+2.7		−5.3		+2.4		−5.7		+4.1		−5.8		+3.5		−6.4	
b, *b′*	0.00		−0.96		+0.01		−0.96		−0.02		−0.96		−0.01		−0.95	

Tag	278) π Argus AR.	Δ	278) π Argus Dekl.	Δ	279) δ Geminorum AR.	Δ	279) δ Geminorum Dekl.	Δ
1937	7h 14m		−36° 58′		7h 16m		+22° 5′	
Jan. 1	$_{9}$57.461 s	85	63.12″	334	$_{10}$24.475 s	137	53.80″	24
10	57.546	26	66.46	320	24.612	84	53.56	10
20	57.572	31	69.66	298	24.696	30	53.46	3
30	57.541	87	72.64	268	24.726	23	53.49	14
Febr. 9	57.454	136	75.32	233	24.703	72	53.63	21
19	57.318	178	77.65	194	24.631	114	53.84	26
März 1	57.140	211	79.59	152	24.517	146	54.10	27
11	56.929	234	81.11	107	24.371	170	54.37	25
21	56.695	244	82.18	61	24.201	181	54.62	21
31	56.451	245	82.79	16	24.020	182	54.83	15
Apr. 10	56.206	237	82.95	29	23.838	172	54.98	10
20	55.969	219	82.66	73	23.666	154	55.08	4
30	55.750	193	81.93	114	23.512	126	55.12	3
Mai 10	55.557	161	80.79	153	23.386	94	55.09	6
20	55.396	124	79.26	188	23.292	58	55.03	11
30	55.272	83	77.38	217	23.234	19	54.92	13
Juni 9	55.189	41	75.21	242	23.215	20	54.79	15
19	55.148	2	72.79	259	23.235	60	54.64	16
29	55.150	46	70.20	270	23.295	97	54.48	17
Juli 9	55.196	88	67.50	273	23.392	131	54.31	20
19	55.284	130	64.77	267	23.523	165	54.11	21
29	55.414	168	62.10	251	23.688	194	53.90	26
Aug. 8	55.582	204	59.59	228	23.882	220	53.64	30
18	55.786	237	57.31	196	24.102	243	53.34	36
28	56.023	267	55.35	155	24.345	265	52.98	44
Sept. 7	56.290	291	53.80	108	24.610	282	52.54	52
17	56.581	312	52.72	54	24.892	298	52.02	61
27	56.893	327	52.18	2	25.190	310	51.41	69
Okt. 7	57.220	336	52.20	60	25.500	319	50.72	77
17	57.556	337	52.80	118	25.819	323	49.95	83
27	57.893	331	53.98	172	26.142	323	49.12	85
Nov. 6	58.224	316	55.70	223	26.465	315	48.27	84
16	58.540	293	57.93	265	26.780	301	47.43	80
26	58.833	260	60.58	297	27.081	279	46.63	73
Dez. 6	59.093	220	63.55	321	27.360	248	45.90	61
16	59.313	172	66.76	335	27.608	210	45.29	48
26	59.485	118	70.11	336	27.818	165	44.81	33
36	59.603		73.47		27.983		44.48	
Mittl. Ort	55.010		60.31		21.780		60.13	
sec δ, tg δ	1.252		−0.753		1.079		+0.406	
a, *a′*	+2.1		−6.4		+3.6		−6.6	
b, *b′*	+0.02		−0.95		−0.01		−0.94	

Tag	281) δ Volantis AR.	Δ	281) δ Volantis Dekl.	Δ	280) 19 Lyncis sq. AR.	Δ	280) 19 Lyncis sq. Dekl.	Δ
1937	7h 16m		−67° 50′		7h 17m		+55° 23′	
Jan. 1	$_{10}$55.81 s	3	32.53″	384	$_{10}$48.144 s	193	60.71″	174
10	55.84	9	36.37	374	48.337	109	62.45	186
20	55.75	20	40.11	355	48.446	24	64.31	190
30	55.55	30	43.66	326	48.470	59	66.21	185
Febr. 9	55.25	40	46.92	290	48.411	136	68.06	173
19	54.85	47	49.82	247	48.275	203	69.79	152
März 1	54.38	53	52.29	200	48.072	257	71.31	125
11	53.85	57	54.29	150	47.815	294	72.56	92
21	53.28	60	55.79	97	47.521	315	73.48	55
31	52.68	60	56.76	44	47.206	318	74.03	17
Apr. 10	52.08	60	57.20	11	46.888	305	74.20	22
20	51.48	57	57.09	63	46.583	278	73.98	59
30	50.91	52	56.46	114	46.305	237	73.39	94
Mai 10	50.39	47	55.32	161	46.068	187	72.45	125
20	49.92	40	53.71	204	45.881	130	71.20	150
30	49.52	33	51.67	243	45.751	67	69.70	172
Juni 9	49.19	24	49.24	275	45.684	3	67.98	187
19	48.95	15	46.49	298	45.681	61	66.11	198
29	48.80	6	43.51	315	45.742	123	64.13	204
Juli 9	48.74	4	40.36	321	45.865	184	62.09	206
19	48.78	13	37.15	318	46.049	239	60.03	202
29	48.91	23	33.97	305	46.288	289	58.01	196
Aug. 8	49.14	31	30.92	282	46.577	336	56.05	186
18	49.45	40	28.10	247	46.913	377	54.19	172
28	49.85	47	25.63	204	47.290	412	52.47	157
Sept. 7	50.32	53	23.59	153	47.702	442	50.90	138
17	50.85	58	22.06	94	48.144	467	49.52	118
27	51.43	62	21.12	31	48.611	486	48.34	94
Okt. 7	52.05	63	20.81	36	49.097	498	47.40	68
17	52.68	62	21.17	102	49.595	503	46.72	41
27	53.30	60	22.19	167	50.098	499	46.31	11
Nov. 6	53.90	55	23.86	226	50.597	485	46.20	21
16	54.45	49	26.12	278	51.082	459	46.41	53
26	54.94	41	28.90	322	51.541	422	46.94	85
Dez. 6	55.35	32	32.12	353	51.963	371	47.79	115
16	55.67	21	35.65	374	52.334	310	48.94	142
26	55.88	9	39.39	384	52.644	237	50.36	164
36	55.97		43.23		52.881		52.00	
Mittl. Ort	52.18		31.51		44.110		68.19	
sec δ, tg δ	2.651		−2.456		1.761		+1.450	
a, *a′*	0.0		−6.6		+4.9		−6.7	
b, *b′*	+0.05		−0.94		−0.03		−0.94	

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Tag	282) ι Geminorum AR.		282) ι Geminorum Dekl.		285) β Canis min. AR.		285) β Canis min. Dekl.		284) Grb 1308 AR.		284) Grb 1308 Dekl.		286) ρ Geminorum AR.		286) ρ Geminorum Dekl.	
1937	7h 21m		+27° 55′		7h 23m		+8° 24′		7h 24m		+68° 35′		7h 25m		+31° 54′	
Jan. 1	51.837	148	23.09	11	46.630	132	57.92	113	26.36	28	41.19	236	6.656	158	34.51	34
11	51.985	94	23.20	25	^{11}46.762	82	56.79	97	^{12}26.64	14	43.55	248	^{12}6.814	100	34.85	50
20	^{11}52.079	36	23.45	37	46.844	31	55.82	80	26.78	1	46.03	250	6.914	41	35.35	62
30	52.115	19	23.82	47	46.875	18	55.02	63	26.79	11	48.53	241	6.955	17	35.97	70
Febr. 9	52.096	71	24.29	51	46.857	64	54.39	47	26.68	23	50.94	223	6.938	71	36.67	72
19	52.025	116	24.80	51	46.793	104	53.92	32	26.45	33	53.17	195	6.867	117	37.39	70
März 1	51.909	151	25.31	48	46.689	136	53.60	19	26.12	42	55.12	159	6.750	156	38.09	63
11	51.758	176	25.79	41	46.553	157	53.41	6	25.70	47	56.71	116	6.594	182	38.72	53
21	51.582	189	26.20	31	46.396	169	53.35	3	25.23	52	57.87	70	6.412	196	39.25	39
31	51.393	192	26.51	20	46.227	171	53.38	12	24.71	52	58.57	21	6.216	200	39.64	23
Apr. 10	51.201	182	26.71	7	46.056	163	53.50	20	24.19	50	58.78	28	6.016	190	39.87	7
20	51.019	163	26.78	5	45.893	146	53.70	27	23.69	47	58.50	76	5.826	172	39.94	9
30	50.856	137	26.73	16	45.747	123	53.97	34	23.22	42	57.74	120	5.654	145	39.85	24
Mai 10	50.719	104	26.57	26	45.624	93	54.31	40	22.80	34	56.54	160	5.509	111	39.61	38
20	50.615	66	26.31	34	45.531	61	54.71	47	22.46	26	54.94	193	5.398	72	39.23	49
30	50.549	26	25.97	41	45.470	26	55.18	52	22.20	17	53.01	221	5.326	31	38.74	59
Juni 9	50.523	15	25.56	47	45.444	10	55.70	56	22.03	6	50.80	243	5.295	11	38.15	67
19	50.538	56	25.09	50	45.454	46	56.26	59	21.97	3	48.37	257	5.306	54	37.48	72
29	50.594	95	24.59	53	45.500	81	56.85	61	22.00	13	45.80	266	5.360	95	36.76	77
Juli 9	50.689	132	24.06	55	45.581	113	57.46	58	22.13	23	43.14	267	5.455	133	35.99	79
19	50.821	166	23.51	58	45.694	144	58.04	55	22.36	31	40.47	263	5.588	169	35.20	81
29	50.987	197	22.93	60	45.838	171	58.59	47	22.67	40	37.84	253	5.757	202	34.39	82
Aug. 8	51.184	226	22.33	62	46.009	198	59.06	36	23.07	47	35.31	239	5.959	231	33.57	84
18	51.410	250	21.71	66	46.207	220	59.42	22	23.54	55	32.92	221	6.190	258	32.73	85
28	51.660	273	21.05	69	46.427	241	59.64	5	24.09	60	30.71	198	6.448	281	31.88	86
Sept. 7	51.933	293	20.36	74	46.668	259	59.69	14	24.69	65	28.73	171	6.729	303	31.02	86
17	52.226	309	19.62	76	46.927	275	59.55	36	25.34	70	27.02	141	7.032	320	30.16	87
27	52.535	323	18.86	80	47.202	287	59.19	58	26.04	73	25.61	107	7.352	335	29.29	86
Okt. 7	52.858	333	18.06	81	47.489	297	58.61	80	26.77	74	24.54	71	7.687	345	28.43	83
17	53.191	338	17.25	80	47.786	303	57.81	99	27.51	75	23.83	33	8.032	351	27.60	78
27	53.529	338	16.45	77	48.089	303	56.82	117	28.26	75	23.50	8	8.383	352	26.82	70
Nov. 6	53.867	332	15.68	70	48.392	297	55.65	129	29.01	72	23.58	49	8.735	346	26.12	60
16	54.199	318	14.98	61	48.689	284	54.36	138	29.73	68	24.07	91	9.081	332	25.52	46
26	54.517	295	14.37	48	48.973	264	52.98	140	30.41	62	24.98	130	9.413	308	25.06	31
Dez. 6	54.812	264	13.89	32	49.237	236	51.58	138	31.03	55	26.28	168	9.721	277	24.75	12
16	55.076	224	13.57	16	49.473	200	50.20	132	31.58	44	27.96	199	9.998	236	24.63	6
26	55.300	178	13.41	1	49.673	158	48.88	120	32.02	34	29.95	225	10.234	187	24.69	25
36	55.478		13.42		49.831		47.68		32.36		32.20		10.421		24.94	
Mittl. Ort	49.030		30.05		44.142		63.83		20.61		49.48		3.757		41.88	
sec δ, tg δ	1.132		+0.530		1.011		+0.148		2.740		+2.551		1.178		+0.623	
a, a'	+3.7		−7.0		+3.3		−7.2		+6.3		−7.2		+3.8		−7.3	
b, b'	−0.01		−0.94		0.00		−0.93		−0.06		−0.93		−0.02		−0.93	

Tag	287) α Geminorum[1]				289) 25 Monocerotis				291) α Canis min.[2]				292) 24 Lyncis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1937	7h 30m		+32° 1′		7h 34m		−3° 58′		7h 36m		+5° 22′		7h 37m		+58° 51′	
Jan. 1	37.832 s	163	36.33 ″	32	11.167 s	132	13.53 ″	189	2.820 s	136	69.64 ″	138	45.547 s	239	26.35 ″	185
11	[13] 37.995	106	36.65	49	[14] 11.299	84	15.42	173	[14] 2.956	88	68.26	120	[15] 45.786	149	28.20	200
20	38.101	47	37.14	62	11.383	33	17.15	155	3.044	36	67.06	103	45.935	55	30.20	209
30	38.148	12	37.76	70	11.416	16	18.70	133	3.080	13	66.03	84	45.990	38	32.29	207
Febr. 9	38.136	66	38.46	73	11.400	62	20.03	110	3.067	59	65.19	64	45.952	124	34.36	196
19	38.070	114	39.19	73	11.338	101	21.13	87	3.008	99	64.55	47	45.828	201	36.32	178
März 1	37.956	153	39.92	65	11.237	133	22.00	64	2.909	132	64.08	31	45.627	264	38.10	151
11	37.803	180	40.57	56	11.104	155	22.64	41	2.777	155	63.77	16	45.363	312	39.61	118
21	37.623	196	41.13	42	10.949	168	23.05	20	2.622	167	63.61	3	45.051	341	40.79	80
31	37.427	200	41.55	27	10.781	172	23.25	2	2.455	171	63.58	8	44.710	352	41.59	39
Apr. 10	37.227	192	41.82	9	10.609	166	23.23	21	2.284	164	63.66	20	44.358	345	41.98	4
20	37.035	175	41.91	6	10.443	151	23.02	40	2.120	149	63.86	30	44.013	321	41.94	44
30	36.860	148	41.85	22	10.292	130	22.62	58	1.971	126	64.16	38	43.692	284	41.50	83
Mai 10	36.712	115	41.63	37	10.162	104	22.04	75	1.845	100	64.54	47	43.408	235	40.67	118
20	36.597	78	41.26	49	10.058	73	21.29	90	1.745	68	65.01	54	43.173	177	39.49	151
30	36.519	36	40.77	59	9.985	40	20.39	103	1.677	34	65.55	61	42.996	113	37.98	177
Juni 9	36.483	5	40.18	68	9.945	5	19.36	114	1.643	0	66.16	67	42.883	45	36.21	196
19	36.488	47	39.50	74	9.940	28	18.22	121	1.643	36	66.83	70	42.838	23	34.25	212
29	36.535	88	38.76	78	9.968	63	17.01	125	1.679	69	67.53	71	42.861	91	32.13	223
Juli 9	36.623	127	37.98	82	10.031	95	15.76	125	1.748	102	68.24	69	42.952	157	29.90	228
19	36.750	162	37.16	85	10.126	125	14.51	121	1.850	133	68.93	64	43.109	219	27.62	229
29	36.912	195	36.31	86	10.251	154	13.30	111	1.983	160	69.57	56	43.328	278	25.33	224
Aug. 8	37.107	226	35.45	88	10.405	180	12.19	96	2.143	186	70.13	43	43.606	330	23.09	216
18	37.333	252	34.57	90	10.585	205	11.23	76	2.329	210	70.56	28	43.936	379	20.93	204
28	37.585	277	33.67	92	10.790	227	10.47	52	2.539	231	70.84	9	44.315	422	18.89	188
Sept. 7	37.862	299	32.75	92	11.017	247	9.95	23	2.770	251	70.93	13	44.737	459	17.01	171
17	38.161	317	31.83	92	11.264	264	9.72	8	3.021	267	70.80	37	45.196	491	15.30	148
27	38.478	332	30.91	92	11.528	279	9.80	41	3.288	281	70.43	61	45.687	518	13.82	123
Okt. 7	38.810	344	29.99	89	11.807	290	10.21	75	3.569	292	69.82	87	46.205	536	12.59	95
17	39.154	352	29.10	83	12.097	297	10.96	107	3.861	299	68.95	109	46.741	546	11.64	64
27	39.506	353	28.27	76	12.394	298	12.03	137	4.160	300	67.86	130	47.287	548	11.00	31
Nov. 6	39.859	347	27.51	66	12.692	294	13.40	162	4.460	296	66.56	145	47.835	537	10.69	4
16	40.206	334	26.85	51	12.986	281	15.02	182	4.756	285	65.11	156	48.372	514	10.73	41
26	40.540	313	26.34	35	13.267	262	16.84	195	5.041	266	63.55	161	48.886	477	11.14	77
Dez. 6	40.853	281	25.99	16	13.529	235	18.79	201	5.307	238	61.94	162	49.363	427	11.91	112
16	41.134	241	25.83	3	13.764	199	20.80	201	5.545	203	60.32	154	49.790	362	13.03	144
26	41.375	192	25.86	22	13.963	158	22.81	194	5.748	162	58.78	145	50.152	287	14.47	172
36	41.567		26.08		14.121		24.75		5.910		57.33		50.439		16.19	
Mittl. Ort	34.942		44.11		8.791		8.28		0.376		75.86		41.286		35.89	
sec δ, tg δ	1.180		+0.626		1.002		−0.069		1.004		+0.094		1.934		+1.655	
a, a′	+3.8		−7.7		+3.0		−8.0		+3.2		−8.2		+5.1		−8.3	
b, b′	−0.02		−0.92		0.00		−0.92		0.00		−0.91		−0.05		−0.91	

[1]) AR. der Mitte; Dekl. des folgenden, helleren Sterns.

[2]) Ort des hellen Sterns; die jährliche Parallaxe (0″312) ist bereits berücksichtigt.

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Tag	294) κ Geminorum AR.		Dekl.		295) β Geminorum[1]) AR.		Dekl.		297) ζ Volantis AR.		Dekl.		296) π Geminorum AR.		Dekl.	
1937	7h 40m		+24° 32′		7h 41m		+28° 10′		7h 42m		−72° 27′		7h 43m		+33° 33′	
Jan. 1	41.555	164	54.44	18	30.630	167	39.56	5	40.44	9	17.88	386	29.853	180	70.33	38
11	(16) 41.719	111	54.26	0	(16) 30.797	112	39.61	23	(16) 40.53	5	21.74	384	(16) 30.033	122	70.71	56
20	41.830	56	54.26	16	30.909	55	39.84	38	40.48	20	25.58	371	30.155	62	71.27	70
30	41.886	0	54.42	28	30.964	1	40.22	49	40.28	32	29.29	349	30.217	2	71.97	80
Febr. 9	41.886	52	54.70	37	30.963	55	40.71	57	39.96	44	32.78	318	30.219	55	72.77	85
19	41.834	97	55.07	43	30.908	102	41.28	59	39.52	55	35.96	281	30.164	105	73.62	83
März 1	41.737	134	55.50	43	30.806	141	41.87	58	38.97	62	38.77	238	30.059	146	74.45	78
11	41.603	162	55.93	41	30.665	169	42.45	51	38.35	69	41.15	190	29.913	177	75.23	67
21	41.441	177	56.34	36	30.496	185	42.96	43	37.66	74	43.05	139	29.736	195	75.90	53
31	41.264	183	56.70	28	30.311	191	43.39	31	36.92	75	44.44	87	29.541	201	76.43	37
Apr. 10	41.081	178	56.98	19	30.120	185	43.70	18	36.17	75	45.31	34	29.340	197	76.80	18
20	40.903	162	57.17	10	29.935	170	43.88	5	35.42	73	45.65	20	29.143	181	76.98	0
30	40.741	140	57.27	1	29.765	146	43.93	7	34.69	70	45.45	73	28.962	157	76.98	19
Mai 10	40.601	110	57.28	8	29.619	116	43.86	20	33.99	64	44.72	123	28.805	125	76.79	35
20	40.491	76	57.20	16	29.503	80	43.66	30	33.35	57	43.49	169	28.680	90	76.44	50
30	40.415	40	57.04	22	29.423	43	43.36	39	32.78	49	41.80	212	28.590	49	75.94	63
Juni 9	40.375	2	56.82	28	29.380	4	42.97	46	32.29	39	39.68	249	28.541	8	75.31	74
19	40.373	37	56.54	32	29.376	36	42.51	53	31.90	29	37.19	279	28.533	34	74.57	82
29	40.410	74	56.22	36	29.412	75	41.98	58	31.61	17	34.40	301	28.567	75	73.75	88
Juli 9	40.484	109	55.86	41	29.487	111	41.40	62	31.44	6	31.39	314	28.642	113	72.87	94
19	40.593	142	55.45	45	29.598	146	40.78	67	31.38	7	28.25	318	28.755	151	71.93	99
29	40.735	174	55.00	49	29.744	178	40.11	71	31.45	19	25.07	311	28.906	184	70.94	101
Aug. 8	40.909	202	54.51	55	29.922	207	39.40	74	31.64	30	21.96	295	29.090	216	69.93	103
18	41.111	228	53.96	61	30.129	234	38.66	79	31.94	42	19.01	267	29.306	245	68.90	105
28	41.339	252	53.35	69	30.363	258	37.87	84	32.36	52	16.34	229	29.551	271	67.85	107
Sept. 7	41.591	273	52.66	76	30.621	281	37.03	89	32.88	61	14.05	183	29.822	295	66.78	108
17	41.864	291	51.90	83	30.902	299	36.14	92	33.49	68	12.22	128	30.117	315	65.70	107
27	42.155	308	51.07	90	31.201	316	35.22	96	34.17	73	10.94	67	30.432	333	64.63	105
Okt. 7	42.463	321	50.17	95	31.517	329	34.26	97	34.90	77	10.27	2	30.765	347	63.58	101
17	42.784	330	49.22	98	31.846	338	33.29	97	35.67	78	10.25	65	31.112	357	62.57	94
27	43.114	333	48.24	98	32.184	342	32.32	92	36.45	75	10.90	131	31.469	361	61.63	86
Nov. 6	43.447	330	47.26	95	32.526	338	31.40	85	37.20	72	12.21	193	31.830	358	60.77	72
16	43.777	320	46.31	88	32.864	327	30.55	75	37.92	65	14.14	250	32.188	346	60.05	57
26	44.097	300	45.43	76	33.191	307	29.80	60	38.57	55	16.64	298	32.534	327	59.48	38
Dez. 6	44.397	273	44.67	63	33.498	279	29.20	44	39.12	44	19.62	337	32.861	296	59.10	17
16	44.670	236	44.04	46	33.777	241	28.76	25	39.56	31	22.99	364	33.157	257	58.93	4
26	44.906	192	43.58	27	34.018	196	28.51	5	39.87	18	26.63	381	33.414	210	58.97	26
36	45.098		43.31		34.214		28.46		40.05		30.44		33.624		59.23	
Mittl. Ort	38.860		62.39		27.859		47.83		36.23		18.52		26.955		79.14	
sec δ, tg δ	1.099		+0.457		1.134		+0.536		3.317		−3.163		1.200		+0.664	
a, *a′*	+3.6		−8.5		+3.7		−8.6		−0.7		−8.7		+3.9		−8.7	
b, *b′*	−0.01		−0.91		−0.02		−0.90		+0.09		−0.90		−0.02		−0.90	

[1]) Die jährliche Parallaxe (0.″101) ist bereits berücksichtigt.

Tag	300) Grb 1374 AR.	Δ	300) Grb 1374 Dekl.	Δ
1937	$7^h 52^m$		$+74° 4'$	
Jan. 1	48.68	42	70.18	245
11	[19] 49.10	26	72.63	264
20*)	49.36	9	75.27	273
30	49.45	9	78.00	270
Febr. 9	49.36	24	80.70	255
19	49.12	38	83.25	231
März 1	48.74	51	85.56	198
11	48.23	61	87.54	155
21	47.62	67	89.09	108
31	46.95	70	90.17	55
Apr. 10	46.25	70	90.72	4
20	45.55	68	90.76	50
30	44.87	62	90.26	100
Mai 10	44.25	54	89.26	146
20	43.71	44	87.80	187
30	43.27	34	85.93	222
Juni 9	42.93	21	83.71	250
19	42.72	8	81.21	272
29	42.64	4	78.49	287
Juli 9	42.68	17	75.62	295
19	42.85	30	72.67	295
29	43.15	41	69.72	292
Aug. 8	43.56	52	66.80	280
18	44.08	62	64.00	264
28	44.70	71	61.36	243
Sept. 7	45.41	79	58.93	216
17	46.20	86	56.77	186
27	47.06	91	54.91	151
Okt. 7	47.97	95	53.40	113
17	48.92	98	52.27	70
27	49.90	97	51.57	26
Nov. 6	50.87	96	51.31	21
16	51.83	92	51.52	68
26	52.75	85	52.20	114
Dez. 6	53.60	76	53.34	158
16	54.36	64	54.92	197
26	55.00	51	56.89	231
36	55.51		59.20	
Mittl. Ort	41.62		81.52	
sec δ, tg δ	3.648		+3.508	
a, *a'*	+7.2		−9.5	
b, *b'*	−0.11		−0.88	

Tag	303) χ Argus AR.	Δ	303) χ Argus Dekl.	Δ
1937	$7^h 55^m$		$-52° 48'$	
Jan. 1	13.415	131	45.33	378
11	[19] 13.546	56	49.11	374
20*)	13.602	18	52.85	360
30	13.584	91	56.45	337
Febr. 9	13.493	156	59.82	306
19	13.337	215	62.88	270
März 1	13.122	262	65.58	227
11	12.860	299	67.85	180
21	12.561	323	69.65	132
31	12.238	334	70.97	81
Apr. 10	11.904	335	71.78	30
20	11.569	324	72.08	21
30	11.245	303	71.87	71
Mai 10	10.942	274	71.16	119
20	10.668	237	69.97	163
30	10.431	194	68.34	203
Juni 9	10.237	147	66.31	238
19	10.090	95	63.93	266
29	9.995	41	61.27	286
Juli 9	9.954	14	58.41	299
19	9.968	70	55.42	302
29	10.038	127	52.40	294
Aug. 8	10.165	180	49.46	279
18	10.345	233	46.67	251
28	10.578	282	44.16	215
Sept. 7	10.860	325	42.01	169
17	11.185	364	40.32	116
27	11.549	393	39.16	58
Okt. 7	11.942	415	38.58	7
17	12.357	427	38.65	70
27	12.784	426	39.35	135
Nov. 6	13.210	413	40.70	195
16	13.623	389	42.65	249
26	14.012	351	45.14	295
Dez. 6	14.363	301	48.09	332
16	14.664	242	51.41	358
26	14.906	174	54.99	373
36	15.080		58.72	
Mittl. Ort	10.689		45.18	
sec δ, tg δ	1.654		−1.318	
a, *a'*	+1.5		−9.7	
b, *b'*	+0.04		−0.88	

Tag	305) χ Geminorum AR.	Δ	305) χ Geminorum Dekl.	Δ
1937	$7^h 59^m$		$+27° 57'$	
Jan. 1	41.892	188	71.52	4
11	42.080	135	71.48	16
20*)	[20] 42.215	77	71.64	34
30	42.292	19	71.98	48
Febr. 9	42.311	35	72.46	58
19	42.276	84	73.04	64
März 1	42.192	124	73.68	64
11	42.068	156	74.32	60
21	41.912	176	74.92	52
31	41.736	185	75.44	42
Apr. 10	41.551	184	75.86	29
20	41.367	171	76.15	16
30	41.196	151	76.31	2
Mai 10	41.045	125	76.33	10
20	40.920	92	76.23	23
30	40.828	57	76.00	33
Juni 9	40.771	20	75.67	43
19	40.751	18	75.24	51
29	40.769	56	74.73	58
Juli 9	40.825	91	74.15	65
19	40.916	126	73.50	71
29	41.042	159	72.79	76
Aug. 8	41.201	188	72.03	83
18	41.389	217	71.20	88
28	41.606	243	70.32	95
Sept. 7	41.849	267	69.37	100
17	42.116	289	68.37	106
27	42.405	309	67.31	110
Okt. 7	42.714	325	66.21	112
17	43.039	337	65.09	112
27	43.376	344	63.97	108
Nov. 6	43.720	344	62.89	101
16	44.064	337	61.88	90
26	44.401	320	60.98	75
Dez. 6	44.721	295	60.23	57
16	45.016	259	59.66	37
26	45.275	216	59.29	16
36	45.491		59.13	
Mittl. Ort	39.178		80.94	
sec δ, tg δ	1.132		+0.531	
a, *a'*	+3.7		−10.0	
b, *b'*	−0.02		−0.87	

Tag	306) ζ Argus AR.	Δ	306) ζ Argus Dekl.	Δ
1937	$8^h 1^m$		$-39° 49'$	
Jan. 1	24.562	142	30.56	350
11	24.704	83	34.06	344
20*)	24.787	22	37.50	329
30	[21] 24.809	39	40.79	306
Febr. 9	24.770	94	43.85	276
19	24.676	142	46.61	240
März 1	24.534	184	49.01	201
11	24.350	214	51.02	159
21	24.136	235	52.61	114
31	23.901	244	53.75	68
Apr. 10	23.657	245	54.43	21
20	23.412	235	54.64	24
30	23.177	218	54.40	68
Mai 10	22.959	193	53.72	110
20	22.766	163	52.62	150
30	22.603	130	51.12	186
Juni 9	22.473	90	49.26	215
19	22.383	51	47.11	240
29	22.332	9	44.71	258
Juli 9	22.323	33	42.13	268
19	22.356	75	39.45	270
29	22.431	118	36.75	263
Aug. 8	22.549	158	34.12	246
18	22.707	196	31.66	220
28	22.903	234	29.46	187
Sept. 7	23.137	268	27.59	143
17	23.405	297	26.16	94
27	23.702	322	25.22	39
Okt. 7	24.024	342	24.83	19
17	24.366	353	25.02	79
27	24.719	357	25.81	137
Nov. 6	25.076	351	27.18	192
16	25.427	336	29.10	241
26	25.763	309	31.51	281
Dez. 6	26.072	274	34.32	314
16	26.346	229	37.46	335
26	26.575	176	40.81	347
36	26.751		44.28	
Mittl. Ort	22.122		29.30	
sec δ, tg δ	1.302		−0.834	
a, *a'*	+2.1		−10.1	
b, *b'*	+0.03		−0.86	

*) Bei Stern 306) lies Jan. 21.

Scheinbare Sternörter 1937

Tag	307) 27 Lyncis AR.		307) 27 Lyncis Dekl.		308) ι Navis AR.		308) ι Navis Dekl.		309) γ Argus AR.		309) γ Argus Dekl.		311) 20 Navis AR.		311) 20 Navis Dekl.	
1937	$8^h\ 3^m$		$+51°\ 40'$		$8^h\ 4^m$		$-24°\ 7'$		$8^h\ 7^m$		$-47°\ 8'$		$8^h\ 10^m$		$-15°\ 35'$	
	s		"		s		"		s		"		s		"	
Jan. 1	47.277	249	72.85	133	53.937	151	21.05	295	37.979	151	61.08	368	28.535	161	54.60	257
11	47.526	175	74.18	156	54.088	100	24.00	285	38.130	84	64.76	365	28.696	112	57.17	246
21	$_{22}$47.701	96	75.74	172	$_{22}$54.188	46	26.85	268	$_{22}$38.214	17	68.41	352	28.808	60	59.63	228
30	47.797	17	77.46	179	54.234	6	29.53	246	38.231	50	71.93	327	^{23}28.868	9	61.91	206
Febr. 9	47.814	60	79.25	178	54.228	56	31.99	217	38.181	111	75.20	306	28.877	39	63.97	180
19	47.754	129	81.03	170	54.172	100	34.16	186	38.070	165	78.26	267	28.838	83	65.77	152
März 1	47.625	187	82.73	152	54.072	137	36.02	152	37.905	211	80.93	227	28.755	119	67.29	121
11	47.438	233	84.25	128	53.935	164	37.54	116	37.694	246	83.20	182	28.636	146	68.50	91
21	47.205	263	85.53	99	53.771	182	38.70	79	37.448	270	85.02	136	28.490	165	69.41	60
31	46.942	280	86.52	66	53.589	192	39.49	43	37.178	282	86.38	88	28.325	173	70.01	30
Apr. 10	46.662	280	87.18	30	53.397	190	39.92	6	36.896	285	87.26	38	28.152	174	70.31	1
20	46.382	266	87.48	6	53.207	182	39.98	30	36.611	277	87.64	11	27.978	165	70.30	29
30	46.116	241	87.42	41	53.025	166	39.68	64	36.334	260	87.53	59	27.813	150	70.01	57
Mai 10	45.875	206	87.01	75	52.859	143	39.04	96	36.074	235	86.94	105	27.663	129	69.44	83
20	45.669	162	86.26	105	52.716	116	38.08	127	35.839	204	85.89	148	27.534	104	68.61	107
30	45.507	112	85.21	132	52.600	87	36.81	153	35.635	168	84.41	187	27.430	75	67.54	128
Juni 9	45.395	61	83.89	155	52.513	53	35.28	176	35.467	126	82.54	221	27.355	44	66.26	146
19	45.334	5	82.34	172	52.460	20	33.52	194	35.341	83	80.33	250	27.311	12	64.80	160
29	45.329	48	80.62	187	52.440	15	31.58	207	35.258	35	77.83	271	27.299	21	63.20	170
Juli 9	45.377	102	78.75	197	52.455	50	29.51	212	35.223	11	75.12	283	27.320	53	61.50	203
19	45.479	153	76.78	203	52.505	84	27.39	212	35.234	61	72.29	288	27.373	84	59.47	142
29	45.632	201	74.75	206	52.589	117	25.27	203	35.295	108	69.41	282	27.457	116	58.05	163
Aug. 8	45.833	247	72.69	204	52.706	150	23.24	189	35.403	157	66.59	268	27.573	145	56.42	149
18	46.080	288	70.65	200	52.856	180	21.35	165	35.560	203	63.91	244	27.718	173	54.93	128
28	46.368	328	68.65	191	53.036	209	19.70	134	35.763	246	61.47	209	27.891	201	53.65	100
Sept. 7	46.696	362	66.74	182	53.245	237	18.36	96	36.009	286	59.38	166	28.092	227	52.65	67
17	47.058	394	64.92	167	53.482	261	17.40	54	36.295	322	57.72	116	28.319	250	51.98	29
27	47.452	422	63.25	150	53.743	283	16.86	7	36.617	352	56.56	59	28.569	271	51.69	12
Okt. 7	47.874	443	61.75	130	54.026	300	16.79	42	36.969	374	55.97	2	28.840	288	51.81	55
17	48.317	460	60.45	106	54.326	312	17.21	92	37.343	388	55.99	65	29.128	301	52.36	98
27	48.777	468	59.39	79	54.638	317	18.13	141	37.731	393	56.64	126	29.429	308	53.34	139
Nov. 6	49.245	467	58.60	48	54.955	316	19.54	184	38.124	386	57.90	186	29.737	309	54.73	177
16	49.712	456	58.12	16	55.271	306	21.38	223	38.510	368	59.76	238	30.046	301	56.50	208
26	50.168	432	57.96	19	55.577	286	23.61	254	38.878	339	62.14	285	30.347	285	58.58	233
Dez. 6	50.600	396	58.15	54	55.863	259	26.15	276	39.217	298	64.99	320	30.632	260	60.91	249
16	50.996	347	58.69	87	56.122	223	28.91	290	39.515	247	68.19	347	30.892	228	63.40	259
26	51.343	287	59.56	118	56.345	179	31.81	295	39.762	188	71.66	362	31.120	186	65.99	259
36	51.630		60.74		56.524		34.76		39.950		75.28		31.306		68.58	
Mittl. Ort	43.709		84.51		51.628		17.93		35.422		60.86		26.251		50.33	
sec δ, tg δ	1.613		+1.266		1.096		−0.448		1.470		−1.078		1.038		−0.279	
a, *a'*	+4.5		−10.3		+2.6		−10.4		+1.8		−10.6		+2.8		−10.8	
b, *b'*	−0.04		−0.86		+0.02		−0.86		+0.04		−0.85		+0.01		−0.84	

Tag	310) Br 1147 AR.	Δ	310) Br 1147 Dekl.	Δ	312) β Cancri AR.	Δ	312) β Cancri Dekl.	Δ
1937	$8^h\ 11^m$		$+75°\ 56'$		$8^h\ 13^m$		$+9°\ 22'$	
Jan. 1	$48^s.31$	52	$54''.90$	241	$8^s.441$	179	$43''.72$	122
11	48.83	35	57.31	265	8.620	132	42.50	104
21	49.18	16	59.96	278	8.752	80	41.46	85
30	24 49.34	$\overline{3}$	62.74	280	24 8.832	28	40.61	65
Febr. 9	49.31	21	65.54	270	8.860	$\overline{21}$	39.96	46
19	49.10	39	68.24	249	8.839	65	39.50	28
März 1	48.71	53	70.73	219	8.774	103	39.22	13
11	48.18	64	72.92	178	8.671	132	39.09	0
21	47.54	74	74.70	131	8.539	151	39.09	10
31	46.80	79	76.01	81	8.388	161	39.19	19
Apr. 10	46.01	80	76.82	27	8.227	160	39.38	25
20	45.21	78	77.09	$\overline{28}$	8.067	153	39.63	31
30	44.43	74	76.81	80	7.914	136	39.94	36
Mai 10	43.69	66	76.01	129	7.778	115	40.30	39
20	43.03	56	74.72	174	7.663	88	40.69	42
30	42.47	44	72.98	212	7.575	59	41.11	44
Juni 9	42.03	32	70.86	246	7.516	27	41.55	46
19	41.71	18	68.40	272	7.489	$\overline{4}$	42.01	46
29	41.53	4	65.68	290	7.493	37	42.47	45
Juli 9	41.49	$\overline{11}$	62.78	303	7.530	67	42.92	41
19	41.60	24	59.75	308	7.597	98	43.33	35
29	41.84	38	56.67	307	7.695	127	43.68	27
Aug. 8	42.22	51	53.60	299	7.822	155	43.95	16
18	42.73	62	50.61	286	7.977	181	44.11	2
28	43.35	73	47.75	267	8.158	206	44.13	$\overline{15}$
Sept. 7	44.08	84	45.08	242	8.364	229	43.98	35
17	44.92	91	42.66	214	8.593	251	43.63	54
27	45.83	99	40.52	179	8.844	272	43.09	77
Okt. 7	46.82	104	38.73	141	9.116	288	42.32	97
17	47.86	108	37.32	98	9.404	302	41.35	117
27	48.94	109	36.34	52	9.706	310	40.18	134
Nov. 6	50.03	108	35.82	4	10.016	313	38.84	146
16	51.11	105	35.78	$\overline{45}$	10.329	309	37.38	153
26	52.16	98	36.23	95	10.638	294	35.85	156
Dez. 6	53.14	89	37.18	142	10.932	273	34.29	152
16	54.03	77	38.60	186	11.205	243	32.77	145
26	54.80	62	40.46	223	11.448	204	31.32	131
36	55.42		42.69		11.652		30.01	
Mittl. Ort	40.73		68.22		6.043		51.59	
sec δ, tg δ	4.120		+3.997		1.014		+0.165	
a, *a'*	+7.6		−10.9		+3.3		−11.0	
b, *b'*	−0.14		− 0.84		−0.01		− 0.84	

Tag	314) 31 Lyncis AR.	Δ	314) 31 Lyncis Dekl.	Δ	315) ε Argus AR.	Δ	315) ε Argus Dekl.	Δ
1937	$8^h\ 18^m$		$+43°\ 23'$		$8^h\ 21^m$		$-59°\ 18'$	
Jan. 1	$34^s.924$	241	$17''.99$	78	$16^s.356$	182	$20''.55$	383
11	35.165	177	18.77	104	16.538	97	24.38	387
21	35.342	110	19.81	123	16.635	10	28.25	381
30	25 35.452	40	21.04	136	26 16.645	$\overline{75}$	32.06	363
Febr. 9	35.492	$\overline{26}$	22.40	143	16.570	154	35.69	339
19	35.466	87	23.83	142	16.416	225	39.08	306
März 1	35.379	140	25.25	133	16.191	285	42.14	266
11	35.239	181	26.58	118	15.906	332	44.80	223
21	35.058	210	27.76	98	15.574	368	47.03	176
31	34.848	227	28.74	73	15.206	388	48.79	125
Apr. 10	34.621	230	29.47	45	14.818	398	50.04	73
20	34.391	221	29.92	17	14.420	394	50.77	20
30	34.170	202	30.09	$\overline{13}$	14.026	379	50.97	$\overline{31}$
Mai 10	33.968	173	29.96	40	13.647	354	50.66	83
20	33.795	139	29.56	67	13.293	319	49.83	131
30	33.656	100	28.89	90	12.974	276	48.52	176
Juni 9	33.556	56	27.99	111	12.698	227	46.76	215
19	33.500	12	26.88	129	12.471	172	44.61	250
29	33.488	$\overline{33}$	25.59	143	12.299	112	42.11	277
Juli 9	33.521	76	24.16	154	12.187	48	39.34	296
19	33.597	119	22.62	164	12.139	$\overline{18}$	36.38	305
29	33.716	160	20.98	169	12.157	85	33.33	306
Aug. 8	33.876	198	19.29	174	12.242	153	30.27	295
18	34.074	235	17.55	174	12.395	219	27.32	274
28	34.309	268	15.81	173	12.614	282	24.58	243
Sept. 7	34.577	300	14.08	170	12.896	341	22.15	202
17	34.877	330	12.38	164	13.237	393	20.13	153
27	35.207	355	10.74	155	13.630	437	18.60	95
Okt. 7	35.562	378	9.19	143	14.067	470	17.65	33
17	35.940	396	7.76	128	14.537	490	17.32	$\overline{33}$
27	36.336	407	6.48	108	15.027	498	17.65	98
Nov. 6	36.743	411	5.40	85	15.525	491	18.63	163
16	37.154	405	4.55	59	16.016	466	20.26	222
26	37.559	388	3.96	30	16.482	428	22.48	274
Dez. 6	37.947	361	3.66	$\overline{1}$	16.910	374	25.22	318
16	38.308	321	3.67	32	17.284	309	28.40	351
26	38.629	272	3.99	63	17.593	231	31.91	374
36	38.901		4.62		17.824		35.65	
Mittl. Ort	31.837		30.23		13.425		22.21	
sec δ, tg δ	1.376		+0.945		1.959		−1.685	
a, *a'*	+4.1		−11.4		+1.2		−11.6	
b, *b'*	−0.04		− 0.82		+0.06		− 0.82	

Scheinbare Sternörter 1937

Tag	316) Br 1197				318) ϑ Chamael.				317) o Ursae maj.				320) Grb 1450			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1937	$8^h\ 22^m$		$-3^\circ\ 41'$		$8^h\ 22^m$		$-77^\circ\ 16'$		$8^h\ 25^m$		$+60^\circ\ 55'$		$8^h\ 28^m$		$+38^\circ\ 13'$	
Jan. 1	33.111 s	179	64.97 "	199	38.92 s	27	51.92 "	379	7.03 s	33	36.41 "	168	52.511 s	238	49.85 "	43
11	33.290	131	66.96	185	39.19	7	55.71	388	7.36	24	38.09	195	52.749	180	50.28	69
21	33.421	81	68.81	166	[26] 39.26	11	59.59	386	[27] 7.60	15	40.04	214	52.929	117	50.97	91
30	[26] 33.502	30	70.47	144	39.15	30	63.45	375	7.75	4	42.18	224	[28] 53.046	53	51.88	107
Febr. 9	33.532	18	71.91	121	38.85	46	67.20	353	7.79	5	44.42	224	53.099	9	52.95	118
19	33.514	61	73.12	97	38.39	62	70.73	324	7.74	14	46.66	215	53.090	68	54.13	121
März 1	33.453	99	74.09	74	37.77	74	73.97	289	7.60	22	48.81	195	53.022	117	55.34	118
11	33.354	128	74.83	50	37.03	86	76.86	248	7.38	29	50.76	168	52.905	157	56.52	109
21	33.226	148	75.33	29	36.17	93	79.34	201	7.09	33	52.44	133	52.748	186	57.61	94
31	33.078	158	75.62	8	35.24	98	81.35	153	6.76	36	53.77	94	52.562	203	58.55	75
Apr. 10	32.920	160	75.70	11	34.26	102	82.88	100	6.40	37	54.71	51	52.359	207	59.30	52
20	32.760	153	75.59	29	33.24	101	83.88	47	6.03	36	55.22	6	52.152	201	59.82	29
30	32.607	140	75.30	46	32.23	100	84.35	6	5.67	34	55.28	35	51.951	186	60.11	4
Mai 10	32.467	120	74.84	62	31.23	95	84.29	59	5.33	30	54.93	79	51.765	160	60.15	21
20	32.347	96	74.22	77	30.28	89	83.70	111	5.03	25	54.14	117	51.605	131	59.94	43
30	32.251	69	73.45	88	29.39	79	82.59	158	4.78	20	52.97	153	51.474	95	59.51	64
Juni 9	32.182	40	72.57	99	28.60	68	81.01	202	4.58	14	51.44	182	51.379	57	58.87	84
19	32.142	10	71.58	106	27.92	56	78.99	240	4.44	7	49.62	208	51.322	18	58.03	101
29	32.132	21	70.52	110	27.36	43	76.59	271	4.37	0	47.54	228	51.304	23	57.02	114
Juli 9	32.153	51	69.42	111	26.93	26	73.88	294	4.37	7	45.26	243	51.327	62	55.88	128
19	32.204	81	68.31	107	26.67	10	70.94	308	4.44	13	42.83	252	51.389	101	54.60	136
29	32.285	110	67.24	100	26.57	6	67.86	313	4.57	20	40.31	257	51.490	138	53.24	146
Aug. 8	32.395	138	66.24	86	26.63	23	64.73	307	4.77	26	37.74	256	51.628	174	51.78	151
18	32.533	165	65.38	69	26.86	40	61.66	290	5.03	31	35.18	252	51.802	207	50.27	156
28	32.698	191	64.69	46	27.26	56	58.76	262	5.34	37	32.66	242	52.009	240	48.71	159
Sept. 7	32.889	217	64.23	19	27.82	70	56.14	224	5.71	42	30.24	229	52.249	270	47.12	160
17	33.106	239	64.04	11	28.52	82	53.90	177	6.13	46	27.95	210	52.519	299	45.52	159
27	33.345	261	64.15	42	29.34	93	52.13	121	6.59	50	25.85	187	52.818	324	43.93	155
Okt. 7	33.606	280	64.57	76	30.27	101	50.92	61	7.09	54	23.98	162	53.142	348	42.38	149
17	33.886	295	65.33	108	31.28	104	50.31	6	7.63	56	22.36	129	53.490	366	40.89	139
27	34.181	304	66.41	139	32.32	105	50.37	71	8.19	57	21.07	95	53.856	380	39.50	124
Nov. 6	34.485	307	67.80	164	33.37	101	51.08	137	8.76	58	20.12	56	54.236	385	38.26	108
16	34.792	304	69.44	186	34.38	95	52.45	199	9.34	57	19.56	16	54.621	382	37.18	85
26	35.096	291	71.30	200	35.33	85	54.44	255	9.91	55	19.40	27	55.003	370	36.33	60
Dez. 6	35.387	270	73.30	208	36.18	71	56.99	301	10.46	51	19.67	71	55.373	345	35.73	32
16	35.657	240	75.38	210	36.89	56	60.00	340	10.97	45	20.38	110	55.718	312	35.41	2
26	35.897	202	77.48	204	37.45	38	63.40	366	11.42	37	21.48	149	56.030	267	35.39	27
36	36.099		79.52		37.83		67.06		11.79		22.97		56.297		35.66	
Mittl. Ort	30.828		58.81		33.73		55.10		2.88		50.53		49.650		62.31	
sec δ, tg δ	1.002		−0.065		4.542		−4.431		2.058		+1.799		1.273		+0.788	
a, *a′*	+3.0		−11.7		−1.7		−11.7		+5.0		−11.9		+3.9		−12.1	
b, *b′*	0.00		− 0.81		+0.17		− 0.81		−0.07		− 0.81		−0.03		− 0.80	

Tag	321) η Cancri AR.		321) η Cancri Dekl.		327) α Pyxidis AR.		327) α Pyxidis Dekl.		326) δ Cancri AR.		326) δ Cancri Dekl.		328) ι Cancri AR.		328) ι Cancri Dekl.	
1937	$8^h\ 29^m$		$+20°\ 38'$		$8^h\ 41^m$		$-32°\ 57'$		$8^h\ 41^m$		$+18°\ 22'$		$8^h\ 42^m$		$+28°\ 59'$	
Jan. 1	6.645 s	207	73.15″	62	5.872 s	191	31.18″	328	8.905 s	215	63.00″	80	55.973 s	232	17.82″	19
11	6.852	157	72.53	39	6.063	138	34.46	326	9.120	167	62.20	58	56.205	181	17.63	8
21	7.009	103	72.14	17	6.201	81	37.72	316	9.287	114	61.62	35	56.386	125	17.71	31
30*)	[28] 7.112	49	71.97	2	6.282	24	40.88	297	9.401	60	61.27	14	56.511	67	18.02	52
Febr. 9	7.161	4	71.99	19	[31] 6.306	31	43.85	272	[31] 9.461	8	61.13	5	[31] 56.578	9	18.54	68
19	7.157	53	72.18	32	6.275	80	46.57	242	9.469	41	61.18	20	56.587	43	19.22	78
März 1	7.104	95	72.50	41	6.195	122	48.99	208	9.428	84	61.38	32	56.544	90	20.00	84
11	7.009	128	72.91	46	6.073	157	51.07	171	9.344	117	61.70	39	56.454	128	20.84	83
21	6.881	150	73.37	46	5.916	181	52.78	130	9.227	142	62.09	43	56.326	155	21.67	78
31	6.731	164	73.83	45	5.735	197	54.08	91	9.085	156	62.52	44	56.171	172	22.45	68
Apr. 10	6.567	168	74.28	40	5.538	204	54.99	48	8.929	162	62.96	42	55.999	178	23.13	56
20	6.399	161	74.68	34	5.334	201	55.47	8	8.767	158	63.38	38	55.821	174	23.69	41
30	6.238	147	75.02	27	5.133	191	55.55	33	8.609	146	63.76	33	55.647	163	24.10	25
Mai 10	6.091	127	75.29	19	4.942	176	55.22	72	8.463	127	64.09	27	55.484	143	24.35	9
20	5.964	101	75.48	11	4.766	153	54.50	109	8.336	105	64.36	20	55.341	118	24.44	7
30	5.863	71	75.59	4	4.613	127	53.41	143	8.231	77	64.56	13	55.223	89	24.37	23
Juni 9	5.792	40	75.63	4	4.486	99	51.98	173	8.154	48	64.69	7	55.134	56	24.14	38
19	5.752	8	75.59	12	4.387	66	50.25	199	8.106	17	64.76	0	55.078	23	23.76	51
29	5.744	26	75.47	19	4.321	31	48.26	218	8.089	14	64.76	7	55.055	11	23.25	64
Juli 9	5.770	57	75.28	26	4.290	3	46.08	231	8.103	45	64.69	15	55.066	46	22.61	75
19	5.827	90	75.02	34	4.293	40	43.77	237	8.148	77	64.54	24	55.112	79	21.86	86
29	5.917	120	74.68	44	4.333	76	41.40	235	8.225	106	64.30	34	55.191	112	21.00	95
Aug. 8	6.037	149	74.24	53	4.409	112	39.05	224	8.331	135	63.96	44	55.303	144	20.05	106
18	6.186	177	73.71	64	4.521	150	36.81	205	8.466	163	63.52	57	55.447	174	18.99	115
28	6.363	205	73.07	76	4.671	185	34.76	177	8.629	190	62.95	70	55.621	205	17.84	124
Sept. 7	6.568	230	72.31	89	4.856	220	32.99	142	8.819	218	62.25	84	55.826	232	16.60	132
17	6.798	255	71.42	101	5.076	253	31.57	98	9.037	243	61.41	99	56.058	261	15.28	138
27	7.053	277	70.41	113	5.329	282	30.59	51	9.280	267	60.42	113	56.319	286	13.90	144
Okt. 7	7.330	298	69.28	123	5.611	307	30.08	3	9.547	289	59.29	127	56.605	309	12.46	148
17	7.628	314	68.05	131	5.918	327	30.11	57	9.836	307	58.02	137	56.914	330	10.98	146
27	7.942	327	66.74	136	6.245	340	30.68	112	10.143	321	56.65	144	57.244	343	9.52	143
Nov. 6	8.269	332	65.38	137	6.585	344	31.80	164	10.464	328	55.21	147	57.587	353	8.09	135
16	8.601	329	64.01	133	6.929	339	33.44	212	10.792	329	53.74	146	57.940	353	6.74	122
26	8.930	319	62.68	123	7.268	323	35.56	252	11.121	320	52.28	140	58.293	344	5.52	105
Dez. 6	9.249	299	61.45	111	7.591	298	38.08	286	11.441	303	50.88	127	58.637	326	4.47	84
16	9.548	270	60.34	93	7.889	264	40.94	309	11.744	274	49.61	112	58.963	296	3.63	59
26	9.818	231	59.41	73	8.153	219	44.03	322	12.018	238	48.49	91	59.259	258	3.04	33
36	10.049		58.68		8.372		47.25		12.256		47.58		59.517		2.71	
Mittl. Ort	4.160		83.30		3.589		29.99		6.495		73.35		53.401		29.93	
sec δ, tg δ	1.069		+0.377		1.192		−0.648		1.054		+0.332		1.143		+0.554	
a, *a′*	+3.5		−12.1		+2.4		−13.0		+3.4		−13.0		+3.6		−13.1	
b, *b′*	−0.02		− 0.80		+0.03		− 0.76		−0.01		− 0.76		−0.02		− 0.76	

*) Bei Stern 327), 326) und 328) lies Jan. 31.

Scheinbare Sternörter 1937

Tag	330) δ Argus AR.		330) δ Argus Dekl.		334) ζ Hydrae AR.		334) ζ Hydrae Dekl.		336) *c* Carinae AR.		336) *c* Carinae Dekl.		335) ι Ursae maj. AR.		335) ι Ursae maj. Dekl.	
1937	$8^h\ 42^m$		$-54°\ 28'$		$8^h\ 52^m$		$+6°\ 10'$		$8^h\ 53^m$		$-60°\ 24'$		$8^h\ 54^m$		$+48°\ 16'$	
Jan. 1	$60^s.534$	214	$35''.78$	375	$6^s.186$	212	$62''.64$	153	$40^s.20$	25	$8''.05$	376	$57^s.369$	299	$69''.48$	82
11	60.748	140	39.53	382	6.398	166	61.11	135	40.45	17	11.81	387	57.668	235	70.30	114
21	60.888	63	43.35	378	6.564	116	59.76	113	40.62	7	15.68	389	57.903	163	71.44	141
31	60.951	14	47.13	365	6.680	66	58.63	91	40.69	1	19.57	378	58.066	90	72.85	161
Febr. 9	^{31}60.937	86	50.78	343	^{3}6.746	15	57.72	69	^{3}40.68	9	23.35	360	^{4}58.156	16	74.46	174
19	60.851	153	54.21	313	6.761	32	57.03	48	40.59	18	26.95	333	58.172	53	76.20	176
März 1	60.698	209	57.34	278	6.729	72	56.55	28	40.41	24	30.28	300	58.119	116	77.96	172
11	60.489	256	60.12	236	6.657	105	56.27	12	40.17	29	33.28	260	58.003	168	79.68	157
21	60.233	291	62.48	191	6.552	129	56.15	4	39.88	34	35.88	215	57.835	208	81.25	138
31	59.942	314	64.39	144	6.423	144	56.19	15	39.54	37	38.03	168	57.627	234	82.63	112
Apr. 10	59.628	327	65.83	93	6.279	151	56.34	26	39.17	39	39.71	118	57.393	247	83.75	81
20	59.301	328	66.76	43	6.128	149	56.60	34	38.78	39	40.89	66	57.146	248	84.56	49
30	58.973	320	67.19	9	5.979	139	56.94	41	38.39	39	41.55	13	56.898	236	85.05	13
Mai 10	58.653	301	67.10	58	5.840	124	57.35	46	38.00	37	41.68	39	56.662	216	85.18	20
20	58.352	276	66.52	107	5.716	104	57.81	51	37.63	35	41.29	89	56.446	186	84.98	54
30	58.076	242	65.45	152	5.612	80	58.32	55	37.28	31	40.40	138	56.260	150	84.44	85
Juni 9	57.834	203	63.93	193	5.532	53	58.87	56	36.97	28	39.02	181	56.110	110	83.59	114
19	57.631	159	62.00	229	5.479	27	59.43	57	36.69	21	37.21	221	56.000	66	82.45	139
29	57.472	110	59.71	257	5.452	2	60.00	55	36.48	17	35.00	253	55.934	21	81.06	161
Juli 9	57.362	57	57.14	279	5.454	31	60.55	52	36.31	11	32.47	279	55.913	24	79.45	179
19	57.305	2	54.35	292	5.485	59	61.07	46	36.20	4	29.68	296	55.937	69	77.66	195
29	57.303	55	51.43	295	5.544	88	61.53	37	36.16	3	26.72	302	56.006	114	75.71	205
Aug. 8	57.358	113	48.48	289	5.632	116	61.90	25	36.19	10	23.70	300	56.120	158	73.66	214
18	57.471	171	45.59	272	5.748	143	62.15	9	36.29	17	20.70	287	56.278	199	71.52	218
28	57.642	229	42.87	244	5.891	170	62.24	8	36.46	23	17.83	262	56.477	240	69.34	220
Sept. 7	57.871	282	40.43	208	6.061	198	62.16	30	36.69	31	15.21	228	56.717	279	67.14	217
17	58.153	332	38.35	161	6.259	223	61.86	53	37.00	36	12.93	183	56.996	316	64.97	212
27	58.485	376	36.74	107	6.482	248	61.33	77	37.36	42	11.10	131	57.312	351	62.85	202
Okt. 7	58.861	411	35.67	48	6.730	271	60.56	102	37.78	47	9.79	72	57.663	382	60.83	188
17	59.272	437	35.19	15	7.001	291	59.54	124	38.25	50	9.07	9	58.045	409	58.95	170
27	59.709	451	35.34	81	7.292	306	58.30	145	38.75	51	8.98	58	58.454	429	57.25	146
Nov. 6	60.160	453	36.15	144	7.598	314	56.85	162	39.26	52	9.56	124	58.883	441	55.79	120
16	60.613	440	37.59	204	7.912	316	55.23	173	39.78	51	10.80	185	59.324	443	54.59	87
26	61.053	413	39.63	257	8.228	310	53.50	179	40.29	48	12.65	243	59.767	434	53.72	53
Dez. 6	61.466	372	42.20	302	8.538	293	51.71	178	40.77	43	15.08	292	60.201	412	53.19	15
16	61.838	319	45.22	338	8.831	268	49.93	173	41.20	37	18.00	332	60.613	377	53.04	24
26	62.157	256	48.60	363	9.099	233	48.20	160	41.57	30	21.32	361	60.990	330	53.28	61
36	62.413		52.23		9.332		46.60		41.87		24.93		61.320		53.89	
Mittl. Ort	57.859		37.87		3.935		71.18		37.31		11.35		54.294		84.96	
sec δ, tg δ	1.721		−1.401		1.006		+0.108		2.025		−1.761		1.503		+1.122	
a, *a'*	+1.7		−13.1		+3.2		−13.7		+1.4		−13.8		+4.2		−13.9	
b, *b'*	+0.06		− 0.76		0.00		− 0.73		+0.08		− 0.73		−0.05		− 0.72	

Obere Kulmination Greenwich

Tag	337) α Cancri AR.		337) α Cancri Dekl.		339) 10 Ursae maj. AR.		339) 10 Ursae maj. Dekl.		341) κ Ursae maj. AR.		341) κ Ursae maj. Dekl.		343) α Volantis AR.		343) α Volantis Dekl.	
1937	$8^h\ 55^m$		$+12^\circ\ 5'$		$8^h\ 56^m$		$+42^\circ\ 1'$		$8^h\ 59^m$		$+47^\circ\ 23'$		$9^h\ 1^m$		$-66^\circ\ 8'$	
Jan. 1	$4^s.953$	219	$60''.05$	122	$36^s.386$	277	$45''.38$	47	$23^s.090$	301	$69''.46$	74	$30^s.63$	29	$35''.70$	375
11	5.172	174	58.83	100	36.663	219	45.85	78	23.391	238	70.20	107	30.92	20	39.45	389
21	5.346	124	57.83	78	36.882	155	46.63	105	23.629	169	71.27	136	31.12	9	43.34	395
31	$_4$5.470	72	57.05	55	$_4$37.037	88	47.68	127	$_5$23.798	97	72.63	156	$_5$31.21	1	47.29	388
Febr. 9	5.542	20	56.50	33	37.125	21	48.95	141	23.895	23	74.19	170	31.20	12	51.17	372
19	5.562	28	56.17	14	37.146	41	50.36	147	23.918	45	75.89	174	31.08	20	54.89	348
März 1	5.534	69	56.03	2	37.105	98	51.83	147	23.873	106	77.63	171	30.88	30	58.37	318
11	5.465	104	56.05	15	37.007	144	53.30	138	23.767	159	79.34	158	30.58	35	61.55	279
21	5.361	129	56.20	26	36.863	180	54.68	123	23.608	198	80.92	140	30.23	42	64.34	236
31	5.232	145	56.46	32	36.683	204	55.91	103	23.410	226	82.32	115	29.81	45	66.70	190
Apr. 10	5.087	152	56.78	37	36.479	215	56.94	78	23.184	240	83.47	86	29.36	48	68.60	139
20	4.935	150	57.15	39	36.264	216	57.72	51	22.944	240	84.33	53	28.88	49	69.99	87
30	4.785	142	57.54	40	36.048	205	58.23	22	22.704	231	84.86	19	28.39	50	70.86	33
Mai 10	4.643	126	57.94	40	35.843	185	58.45	7	22.473	211	85.05	14	27.89	47	71.19	19
20	4.517	106	58.34	39	35.658	160	58.38	35	22.262	183	84.91	47	27.42	45	71.00	73
30	4.411	81	58.73	37	35.498	127	58.03	63	22.079	149	84.44	78	26.97	41	70.27	122
Juni 9	4.330	56	59.10	34	35.371	92	57.40	87	21.930	110	83.66	108	26.56	37	69.05	169
19	4.274	27	59.44	30	35.279	53	56.53	110	21.820	68	82.58	132	26.19	31	67.36	211
29	4.247	2	59.74	25	35.226	14	55.43	130	21.752	24	81.26	155	25.88	24	65.25	247
Juli 9	4.249	30	59.99	19	35.212	27	54.13	146	21.728	20	79.71	173	25.64	17	62.78	275
19	4.279	60	60.18	12	35.239	66	52.67	162	21.748	64	77.98	190	25.47	9	60.03	295
29	4.339	88	60.30	1	35.305	105	51.05	173	21.812	107	76.08	201	25.38	0	57.08	306
Aug. 8	4.427	117	60.31	11	35.410	144	49.32	182	21.919	150	74.07	210	25.38	8	54.02	306
18	4.544	144	60.20	24	35.554	181	47.50	189	22.069	192	71.97	216	25.46	17	50.96	297
28	4.688	172	59.96	42	35.735	217	45.61	194	22.261	231	69.81	218	25.63	26	47.99	275
Sept. 7	4.860	199	59.54	59	35.952	252	43.67	195	22.492	271	67.63	217	25.89	34	45.24	242
17	5.059	226	58.95	79	36.204	286	41.72	194	22.763	307	65.46	213	26.23	43	42.82	201
27	5.285	251	58.16	98	36.490	317	39.78	189	23.070	343	63.33	204	26.66	49	40.81	150
Okt. 7	5.536	275	57.18	118	36.807	347	37.89	181	23.413	373	61.29	191	27.15	54	39.31	92
17	5.811	294	56.00	134	37.154	370	36.08	169	23.786	402	59.38	174	27.69	59	38.39	28
27	6.105	311	54.66	149	37.524	391	34.39	152	24.188	422	57.64	152	28.28	61	38.11	39
Nov. 6	6.416	320	53.17	160	37.915	402	32.87	131	24.610	435	56.12	125	28.89	62	38.50	105
16	6.736	323	51.57	164	38.317	405	31.56	104	25.045	438	54.87	95	29.51	61	39.55	169
26	7.059	316	49.93	165	38.722	398	30.52	75	25.483	431	53.92	60	30.12	56	41.24	228
Dez. 6	7.375	301	48.28	158	39.120	378	29.77	42	25.914	410	53.32	23	30.68	52	43.52	281
16	7.676	276	46.70	147	39.498	348	29.35	7	26.324	377	53.09	16	31.20	44	46.33	324
26	7.952	242	45.23	131	39.846	305	29.28	28	26.701	332	53.25	54	31.64	35	49.57	357
36	8.194		43.92		40.151		29.56		27.033		53.79		31.99		53.14	
Mittl. Ort	2.664		69.81		33.557		60.20		20.083		85.15		27.41		40.03	
sec δ, tg δ	1.023		+0.214		1.346		+0.901		1.478		+1.088		2.473		−2.261	
a, a'	+3.3		−13.9		+3.9		−14.0		+4.1		−14.1		+1.0		−14.3	
b, b'	−0.01		− 0.72		−0.04		− 0.72		−0.05		− 0.71		+0.11		− 0.70	

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Tag	344) σ² Ursae maj. AR.		Dekl.		345) λ Argus AR.		Dekl.		347) ϑ Hydrae AR.		Dekl.		348) β Argus AR.		Dekl.	
1937	9h 4m		+67° 22′		9h 5m		−43° 10′		9h 11m		+2° 34′		9h 12m		−69° 27′	
	s		″		s		″		s		″		s		″	
Jan. 1	57.18	48	73.92	165	42.913	229	37.62	351	7.464	225	43.56	178	34.48	35	21.84	368
11	57.66	37	75.57	203	43.142	170	41.13	357	7.689	182	41.78	161	34.83	24	25.52	386
21	58.03	25	77.60	230	43.312	108	44.70	354	7.871	133	40.17	141	35.07	12	29.38	395
31	58.28	14	79.90	250	43.420	44	48.24	341	8.004	83	38.76	118	35.19	0	33.33	392
Febr. 9	^{6}58.42	1	82.40	258	^{6}43.464	17	51.65	321	^{8}8.087	33	37.58	94	^{8}35.19	11	37.25	380
19	58.43	10	84.98	254	43.447	73	54.86	294	8.120	15	36.64	71	35.08	22	41.05	359
März 1	58.33	21	87.52	240	43.374	123	57.80	261	8.105	55	35.93	50	34.86	31	44.64	331
11	58.12	31	89.92	216	43.251	164	60.41	224	8.050	90	35.43	29	34.55	40	47.95	295
21	57.81	38	92.08	183	43.087	196	62.65	183	7.960	116	35.14	12	34.15	46	50.90	254
31	57.43	43	93.91	143	42.891	219	64.48	140	7.844	134	35.02	5	33.69	52	53.44	209
Apr. 10	57.00	46	95.34	98	42.672	232	65.88	94	7.710	143	35.07	18	33.17	54	55.53	160
20	56.54	48	96.32	51	42.440	236	66.82	49	7.567	144	35.25	29	32.63	57	57.13	107
30	56.06	46	96.83	1	42.204	231	67.31	2	7.423	138	35.54	40	32.06	57	58.20	54
Mai 10	55.60	44	96.84	48	41.973	220	67.33	43	7.285	125	35.94	49	31.49	56	58.74	1
20	55.16	39	96.36	95	41.753	201	66.90	87	7.160	109	36.43	56	30.93	54	58.75	54
30	54.77	33	95.41	138	41.552	178	66.03	128	7.051	89	36.99	62	30.39	50	58.21	104
Juni 9	54.44	27	94.03	177	41.374	150	64.75	165	6.962	65	37.61	66	29.89	45	57.17	154
19	54.17	20	92.26	212	41.224	118	63.10	199	6.897	40	38.27	69	29.44	39	55.63	197
29	53.97	12	90.14	240	41.106	82	61.11	226	6.857	13	38.96	69	29.05	32	53.66	236
Juli 9	53.85	4	87.74	264	41.024	44	58.85	246	6.844	13	39.65	67	28.73	23	51.30	268
19	53.81	4	85.10	281	40.980	3	56.39	260	6.857	40	40.32	61	28.50	15	48.62	291
29	53.85	13	82.29	293	40.977	39	53.79	264	6.897	68	40.93	53	28.35	4	45.71	305
Aug. 8	53.98	21	79.36	299	41.016	83	51.15	259	6.965	96	41.46	42	28.31	5	42.66	309
18	54.19	28	76.37	299	41.099	127	48.56	245	7.061	124	41.88	25	28.36	16	39.57	303
28	54.47	36	73.38	294	41.226	172	46.11	221	7.185	152	42.13	7	28.52	26	36.54	284
Sept. 7	54.83	43	70.44	282	41.398	216	43.90	189	7.337	180	42.20	16	28.78	36	33.70	256
17	55.26	49	67.62	265	41.614	257	42.01	146	7.517	208	42.04	42	29.14	45	31.14	216
27	55.75	56	64.97	244	41.871	297	40.55	98	7.725	235	41.62	68	29.59	54	28.98	168
Okt. 7	56.31	61	62.53	216	42.168	330	39.57	43	7.960	261	40.94	95	30.13	61	27.30	111
17	56.92	65	60.37	182	42.498	357	39.14	15	8.221	283	39.99	122	30.74	66	26.19	49
27	57.57	69	58.55	144	42.855	376	39.29	76	8.504	301	38.77	146	31.40	69	25.70	18
Nov. 6	58.26	70	57.11	101	43.231	385	40.05	135	8.805	313	37.31	167	32.09	70	25.88	84
16	58.96	71	56.10	55	43.616	384	41.40	190	9.118	318	35.64	182	32.79	69	26.72	149
26	59.67	70	55.55	5	44.000	369	43.30	239	9.436	314	33.82	193	33.48	66	28.21	211
Dez. 6	60.37	65	55.50	45	44.369	344	45.69	283	9.750	301	31.89	197	34.14	59	30.32	266
16	61.02	61	55.95	94	44.713	307	48.52	316	10.051	278	29.92	193	34.73	51	32.98	311
26	61.63	52	56.89	141	45.020	260	51.68	338	10.329	246	27.99	185	35.24	42	36.09	349
36	62.15		58.30		45.280		55.06		10.575		26.14		35.66		39.58	
Mittl. Ort	52.66		91.86		40.577		38.85		5.303		51.78		31.01		27.06	
sec δ, tg δ	2.601		+ 2.401		1.371		− 0.938		1.001		+ 0.045		2.850		− 2.669	
a, *a′*	+5.3		−14.5		+2.2		−14.5		+3.1		−14.8		+0.7		−14.9	
b, *b′*	−0.12		− 0.69		+0.05		− 0.69		0.00		− 0.67		+0.13		− 0.67	

Tag	350) 83 Cancri AR.	Δ	350) 83 Cancri Dekl.	Δ	352) 40 Lyncis AR.	Δ	352) 40 Lyncis Dekl.	Δ
1937	9h 15m		+17° 57′		9h 17m		+34° 39′	
Jan. 1	30.392 s	243	72.75″	97	15.916 s	276	21.30″	7
11	30.635	199	71.78	73	16.192	226	21.23	26
21	30.834	148	71.05	47	16.418	168	21.49	56
31	30.982	95	70.58	22	16.586	108	22.05	81
Febr. 9*)	(9) 31.077	42	70.36	1	(9) 16.694	48	22.86	101
19	31.119	8	70.37	19	16.742	11	23.87	114
März 1	31.111	53	70.56	35	16.731	64	25.01	121
11	31.058	90	70.91	45	16.667	107	26.22	122
21	30.968	120	71.36	52	16.560	143	27.44	115
31	30.848	139	71.88	55	16.417	167	28.59	102
Apr. 10	30.709	150	72.43	55	16.250	181	29.61	87
20	30.559	152	72.98	51	16.069	184	30.48	67
30	30.407	146	73.49	46	15.885	179	31.15	45
Mai 10	30.261	134	73.95	39	15.706	165	31.60	21
20	30.127	116	74.34	31	15.541	146	31.81	2
30	30.011	95	74.65	23	15.395	120	31.79	24
Juni 9	29.916	69	74.88	14	15.275	91	31.55	47
19	29.847	44	75.02	5	15.184	60	31.08	68
29	29.803	15	75.07	4	15.124	27	30.40	86
Juli 9	29.788	13	75.03	15	15.097	7	29.54	104
19	29.801	41	74.88	26	15.104	42	28.50	120
29	29.842	71	74.62	37	15.146	75	27.30	135
Aug. 8	29.913	99	74.25	51	15.221	108	25.95	147
18	30.012	128	73.74	64	15.329	143	24.48	158
28	30.140	157	73.10	79	15.472	176	22.90	169
Sept. 7	30.297	187	72.31	95	15.648	210	21.21	176
17	30.484	215	71.36	112	15.858	241	19.45	182
27	30.699	243	70.24	127	16.099	274	17.63	184
Okt. 7	30.942	270	68.97	141	16.373	304	15.79	185
17	31.212	293	67.56	153	16.677	330	13.94	180
27	31.505	314	66.03	163	17.007	352	12.14	172
Nov. 6	31.819	326	64.40	166	17.359	367	10.42	159
16	32.145	333	62.74	166	17.726	375	8.83	140
26	32.478	331	61.08	159	18.101	372	7.43	116
Dez. 6	32.809	318	59.49	148	18.473	360	6.27	89
16	33.127	297	58.01	131	18.833	335	5.38	58
26	33.424	264	56.70	110	19.168	299	4.80	25
36	33.688		55.60		19.467		4.55	
Mittl. Ort	28.129		84.40		13.405		36.24	
sec δ, tg δ	1.051		+0.324		1.216		+0.691	
a, *a′*	+3.4		−15.1		+3.7		−15.2	
b, *b′*	−0.02		− 0.66		−0.03		− 0.65	

Tag	353) κ Argus AR.	Δ	353) κ Argus Dekl.	Δ	354) α Hydrae AR.	Δ	354) α Hydrae Dekl.	Δ
1937	9h 20m		−54° 44′		9h 24m		−8° 23′	
Jan. 1	12.211 s	277	24.08″	362	31.612 s	231	10.45″	232
11	12.488	206	27.70	377	31.843	189	12.77	221
21	12.694	131	31.47	381	32.032	140	14.98	205
31	12.825	55	35.28	375	32.172	91	17.03	184
Febr. 9*)	(10) 12.880	20	39.03	359	(11) 32.263	40	18.87	161
19	12.860	89	42.62	337	32.303	6	20.48	136
März 1	12.771	150	45.99	307	32.297	47	21.84	110
11	12.621	204	49.06	271	32.250	83	22.94	84
21	12.417	246	51.77	230	32.167	111	23.78	60
31	12.171	277	54.07	185	32.056	129	24.38	34
Apr. 10	11.894	299	55.92	138	31.927	141	24.72	12
20	11.595	309	57.30	89	31.786	144	24.84	10
30	11.286	310	58.19	38	31.642	140	24.74	31
Mai 10	10.976	303	58.57	13	31.502	131	24.43	49
20	10.673	285	58.44	62	31.371	116	23.94	67
30	10.388	262	57.82	110	31.255	99	23.27	82
Juni 9	10.126	232	56.72	154	31.156	78	22.45	95
19	9.894	196	55.18	194	31.078	55	21.50	107
29	9.698	153	53.24	228	31.023	30	20.43	114
Juli 9	9.545	107	50.96	256	30.993	5	19.29	117
19	9.438	55	48.40	276	30.988	22	18.12	117
29	9.383	2	45.64	287	31.010	50	16.95	113
Aug. 8	9.381	57	42.77	288	31.060	77	15.82	101
18	9.438	115	39.89	280	31.137	107	14.81	87
28	9.553	175	37.09	260	31.244	136	13.94	66
Sept. 7	9.728	235	34.49	230	31.380	167	13.28	40
17	9.963	291	32.19	191	31.547	197	12.88	11
27	10.254	343	30.28	142	31.744	226	12.77	23
Okt. 7	10.597	389	28.86	87	31.970	254	13.00	58
17	10.986	426	27.99	26	32.224	278	13.58	94
27	11.412	451	27.73	37	32.502	298	14.52	129
Nov. 6	11.863	464	28.10	101	32.800	313	15.81	160
16	12.327	464	29.11	164	33.113	318	17.41	189
26	12.791	446	30.75	220	33.431	317	19.30	210
Dez. 6	13.237	417	32.95	271	33.748	304	21.40	225
16	13.654	372	35.66	313	34.052	283	23.65	233
26	14.026	315	38.79	345	34.335	251	25.98	233
36	14.341		42.24		34.586		28.31	
Mittl. Ort	9.658		27.75		29.535		4.58	
sec δ, tg δ	1.732		−1.415		1.011		−0.147	
a, *a′*	+1.9		−15.4		+2.9		−15.6	
b, *b′*	+0.07		− 0.64		+0.01		− 0.63	

*) Bei Stern 353) und 354) lies Febr. 10.

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Tag	355) *h* Ursae maj. AR.		Dekl.		359) ψ Argus AR.		Dekl.		358) ϑ Ursae maj. AR.		Dekl.		357) *d* Ursae maj. AR.		Dekl.	
1937	9ʰ 26ᵐ		+63° 19′		9ʰ 28ᵐ		−40° 11′		9ʰ 28ᵐ		+51° 57′		9ʰ 28ᵐ		+70° 5′	
Jan. 1	38.88ˢ	45	60.15″	128	15.199ˢ	251	22.99″	337	42.350ˢ	354	37.76″	73	61.49ˢ	57	71.76″	154
11	39.33	37	61.43	170	15.450	198	26.36	346	42.704	291	38.49	112	62.06	46	73.30	196
21	39.70	27	63.13	204	15.648	140	29.82	344	42.995	219	39.61	147	62.52	34	75.26	231
31	39.97	17	65.17	229	15.788	78	33.26	336	43.214	142	41.08	173	62.86	21	77.57	255
Febr. 10	40.14	7	67.46	243	15.866	20	36.62	317	43.356	62	42.81	192	63.07	7	80.12	269
	12				12				12				12			
19	40.21	4	69.89	248	15.886	36	39.79	294	43.418	14	44.73	201	63.14	6	82.81	270
März 1	40.17	14	72.37	241	15.850	86	42.73	263	43.404	84	46.74	200	63.08	19	85.51	261
11	40.03	21	74.78	224	15.764	128	45.36	229	43.320	146	48.74	191	62.89	30	88.12	241
21	39.82	29	77.02	197	15.636	162	47.65	191	43.174	196	50.65	173	62.59	39	90.53	210
31	39.53	34	78.99	164	15.474	187	49.56	150	42.978	233	52.38	147	62.20	46	92.63	172
Apr. 10	39.19	37	80.63	123	15.287	202	51.06	107	42.745	256	53.85	117	61.74	52	94.35	127
20	38.82	39	81.86	80	15.085	211	52.13	64	42.489	267	55.02	82	61.22	53	95.62	79
30	38.43	39	82.66	33	14.874	210	52.77	20	42.222	265	55.84	45	60.69	54	96.41	29
Mai 10	38.04	37	82.99	14	14.664	203	52.97	23	41.957	251	56.29	5	60.15	52	96.70	23
20	37.67	34	82.85	60	14.461	190	52.74	66	41.706	229	56.34	33	59.63	48	96.47	73
30	37.33	30	82.25	104	14.271	172	52.08	106	41.477	198	56.01	70	59.15	43	95.74	120
Juni 9	37.03	25	81.21	144	14.099	149	51.02	144	41.279	162	55.31	104	58.72	36	94.54	164
19	36.78	19	79.77	181	13.950	121	49.58	176	41.117	122	54.27	137	58.36	29	92.90	203
29	36.59	13	77.96	213	13.829	92	47.82	205	40.995	77	52.90	165	58.07	21	90.87	237
Juli 9	36.46	7	75.83	239	13.737	57	45.77	226	40.918	33	51.25	190	57.86	12	88.50	265
19	36.39	0	73.44	262	13.680	23	43.51	242	40.885	15	49.35	212	57.74	3	85.85	287
29	36.39	7	70.82	278	13.657	17	41.09	249	40.900	61	47.23	228	57.71	6	82.98	304
Aug. 8	36.46	14	68.04	289	13.674	57	38.60	247	40.961	108	44.95	241	57.77	14	79.94	315
18	36.60	20	65.15	294	13.731	99	36.13	236	41.069	155	42.54	250	57.91	25	76.79	318
28	36.80	27	62.21	295	13.830	142	33.77	216	41.224	201	40.04	255	58.16	32	73.61	316
Sept. 7	37.07	33	59.26	289	13.972	185	31.61	188	41.425	246	37.49	256	58.48	41	70.45	308
17	37.40	39	56.37	278	14.157	227	29.73	149	41.671	291	34.93	252	58.89	50	67.37	293
27	37.79	44	53.59	262	14.384	268	28.24	104	41.962	334	32.41	243	59.39	56	64.44	274
Okt. 7	38.23	50	50.97	239	14.652	304	27.20	52	42.296	373	29.98	230	59.95	64	61.70	246
17	38.73	55	48.58	212	14.956	336	26.68	3	42.669	409	27.68	210	60.59	69	59.24	214
27	39.28	58	46.46	177	15.292	358	26.71	61	43.078	438	25.58	186	61.28	74	57.10	175
Nov. 6	39.86	61	44.69	138	15.650	374	27.32	118	43.516	460	23.72	157	62.02	77	55.35	132
16	40.47	61	43.31	94	16.024	377	28.50	172	43.976	471	22.15	121	62.79	79	54.03	82
26	41.08	62	42.37	46	16.401	371	30.22	223	44.447	469	20.94	82	63.58	78	53.21	32
Dez. 6	41.70	60	41.91	3	16.772	351	32.45	265	44.916	455	20.12	40	64.36	75	52.89	23
16	42.30	55	41.94	53	17.123	320	35.10	299	45.371	427	19.72	4	65.11	70	53.12	75
26	42.85	49	42.47	102	17.443	279	38.09	325	45.798	383	19.76	48	65.81	62	53.87	127
36	43.34		43.49		17.722		41.34		46.181		20.24		66.43		55.14	
Mittl. Ort	35.12		79.49		12.984		24.34		39.378		56.03		56.89		91.76	
sec δ, tg δ	2.229		+1.992		1.309		−0.845		1.623		+1.278		2.939		+2.764	
a, *a′*	+4.7		−15.7		+2.4		−15.8		+4.1		−15.8		+5.3		−15.8	
b, *b′*	−0.10		− 0.62		+0.04		− 0.61		−0.07		− 0.61		−0.15		− 0.61	

Tag	360) ι0 Leonis min. AR.	Diff.	Dekl.	Diff.
1937	$9^h\ 30^m$		$+36°\ 40'$	
Jan. 1	24.756	293	26.08	5
11	25.049	244	26.03	30
21	25.293	187	26.33	63
31	25.480	126	26.96	89
Febr. 10	25.606	63	27.85	112
	12			
19	25.669	4	28.97	127
März 1	25.673	51	30.24	135
11	25.622	98	31.59	135
21	25.524	136	32.94	129
31	25.388	164	34.23	117
Apr. 10	25.224	180	35.40	99
20	25.044	186	36.39	78
30	24.858	184	37.17	55
Mai 10	24.674	173	37.72	29
20	24.501	155	38.01	3
30	24.346	132	38.04	23
Juni 9	24.214	104	37.81	47
19	24.110	74	37.34	71
29	24.036	42	36.63	92
Juli 9	23.994	8	35.71	113
19	23.986	25	34.58	130
29	24.011	60	33.28	147
Aug. 8	24.071	95	31.81	161
18	24.166	129	30.20	174
28	24.295	164	28.46	184
Sept. 7	24.459	200	26.62	192
17	24.659	234	24.70	198
27	24.893	267	22.72	200
Okt. 7	25.160	300	20.72	200
17	25.460	329	18.72	194
27	25.789	354	16.78	185
Nov. 6	26.143	373	14.93	169
16	26.516	383	13.24	149
26	26.899	383	11.75	124
Dez. 6	27.282	372	10.51	93
16	27.654	350	9.58	60
26	28.004	317	8.98	25
36	28.321		8.73	
Mittl. Ort	22.282		42.07	
sec δ, tg δ	1.247		+0.745	
a, *a′*	+3.7		−15.9	
b, *b′*	−0.04		− 0.61	

Tag	366) ϑ Antliae AR.	Diff.	Dekl.	Diff.
1937	$9^h\ 41^m$		$-27°\ 28'$	
Jan. 1	25.572	251	50.11	301
11	25.823	205	53.12	304
21	26.028	155	56.16	299
31	26.183	101	59.15	286
Febr. 10	26.284	48	62.01	266
	15			
19	26.332	2	64.67	242
März 1	26.330	47	67.09	214
11	26.283	86	69.23	182
21	26.197	118	71.05	149
31	26.079	140	72.54	114
Apr. 10	25.939	156	73.68	78
20	25.783	164	74.46	43
30	25.619	164	74.89	7
Mai 10	25.455	158	74.96	28
20	25.297	148	74.68	61
30	25.149	132	74.07	93
Juni 9	25.017	114	73.14	122
19	24.903	92	71.92	147
29	24.811	68	70.45	168
Juli 9	24.743	41	68.77	185
19	24.702	12	66.92	195
29	24.690	19	64.97	198
Aug. 8	24.709	52	62.99	195
18	24.761	85	61.04	183
28	24.846	121	59.21	164
Sept. 7	24.967	158	57.57	137
17	25.125	195	56.20	102
27	25.320	230	55.18	63
Okt. 7	25.550	263	54.55	17
17	25.813	294	54.38	31
27	26.107	317	54.69	81
Nov. 6	26.424	335	55.50	130
16	26.759	343	56.80	175
26	27.102	341	58.55	216
Dez. 6	27.443	329	60.71	250
16	27.772	306	63.21	276
26	28.078	273	65.97	293
36	28.351		68.90	
Mittl. Ort	23.519		48.95	
sec δ, tg δ	1.127		−0.520	
a, *a′*	+2.7		−16.5	
b, *b′*	+0.03		− 0.57	

Tag	367) ε Leonis AR.	Diff.	Dekl.	Diff.
1937	$9^h\ 42^m$		$+24°\ 3'$	
Jan. 1	18.981	274	40.81	79
11	19.255	231	40.02	47
21	19.486	181	39.55	18
31	19.667	127	39.37	10
Febr. 10	19.794	72	39.47	36
	16			
19	19.866	19	39.83	56
März 1	19.885	29	40.39	71
11	19.856	71	41.10	82
21	19.785	105	41.92	86
31	19.680	130	42.78	85
Apr. 10	19.550	145	43.63	80
20	19.405	153	44.43	72
30	19.252	152	45.15	60
Mai 10	19.100	144	45.75	47
20	18.956	130	46.22	32
30	18.826	111	46.54	18
Juni 9	18.715	90	46.72	1
19	18.625	66	46.73	14
29	18.559	40	46.59	30
Juli 9	18.519	12	46.29	45
19	18.507	16	45.84	60
29	18.523	44	45.24	76
Aug. 8	18.567	74	44.48	90
18	18.641	104	43.58	106
28	18.745	135	42.52	121
Sept. 7	18.880	166	41.31	135
17	19.046	198	39.96	149
27	19.244	231	38.47	162
Okt. 7	19.475	261	36.85	173
17	19.736	289	35.12	180
27	20.025	314	33.32	183
Nov. 6	20.339	333	31.49	181
16	20.672	345	29.68	174
26	21.017	347	27.94	162
Dez. 6	21.364	340	26.32	144
16	21.704	322	24.88	121
26	22.026	293	23.67	95
36	22.319		22.72	
Mittl. Ort	16.784		54.77	
sec δ, tg δ	1.095		+0.447	
a, *a′*	+3.4		−16.5	
b, *b′*	−0.02		− 0.57	

Tag	369) υ Argus AR.	Diff.	Dekl.	Diff.
1937	$9^h\ 45^m$		$-64°\ 46'$	
Jan. 1	34.57	39	39.47	350
11	34.96	29	42.97	375
21	35.25	20	46.72	388
31	35.45	11	50.60	392
Febr. 10	35.56	1	54.52	386
	16			
19	35.57	9	58.38	369
März 1	35.48	17	62.07	347
11	35.31	24	65.54	316
21	35.07	30	68.70	278
31	34.77	36	71.48	237
Apr. 10	34.41	39	73.85	191
20	34.02	42	75.76	142
30	33.60	43	77.18	90
Mai 10	33.17	43	78.08	38
20	32.74	42	78.46	16
30	32.32	41	78.30	68
Juni 9	31.91	37	77.62	118
19	31.54	33	76.44	165
29	31.21	28	74.79	206
Juli 9	30.93	23	72.73	242
19	30.70	16	70.31	269
29	30.54	9	67.62	290
Aug. 8	30.45	0	64.72	300
18	30.45	8	61.72	300
28	30.53	16	58.72	288
Sept. 7	30.69	24	55.84	266
17	30.93	33	53.18	233
27	31.26	41	50.85	189
Okt. 7	31.67	47	48.96	138
17	32.14	53	47.58	79
27	32.67	58	46.79	15
Nov. 6	33.25	60	46.64	50
16	33.85	60	47.14	116
26	34.45	59	48.30	179
Dez. 6	35.04	56	50.09	237
16	35.60	50	52.46	286
26	36.10	44	55.32	328
36	36.54		58.60	
Mittl. Ort	31.68		45.66	
sec δ, tg δ	2.347		−2.123	
a, *a′*	+1.5		−16.7	
b, *b′*	+0.12		− 0.55	

Scheinbare Sternörter 1937

Tag	368) υ Ursae maj. AR.		368) υ Ursae maj. Dekl.		370) 6 Sextantis AR.		370) 6 Sextantis Dekl.		372) Grb 1586 AR.		372) Grb 1586 Dekl.		378) π Leonis AR.		378) π Leonis Dekl.	
1937	9h 46m		+59° 19′		9h 48m		−3° 56′		9h 52m		+73° 10′		9h 56m		+8° 20′	
Jan. 1	34.884	433	50.06	92	5.590	251	57.47	215	52.46	71	27.35	140	55.175	264	39.66	161
11	35.317	363	50.98	136	5.841	212	59.62	202	53.17	59	28.75	188	55.439	225	38.05	141
21	35.680	282	52.34	174	6.053	165	61.64	184	53.76	45	30.63	228	55.664	180	36.64	116
31	35.962	192	54.08	204	6.218	116	63.48	163	54.21	30	32.91	257	55.844	131	35.48	90
Febr. 10	36.154	99	56.12	225	6.334	68	65.11	139	54.51	15	35.48	276	55.975	81	34.58	65
	17				17				18				19			
19	36.253	7	58.37	236	6.402	20	66.50	114	54.66	1	38.24	284	56.056	33	33.93	40
März 1	36.260	79	60.73	236	6.422	24	67.64	89	54.65	16	41.08	279	56.089	13	33.53	18
11	36.181	156	63.09	225	6.398	60	68.53	65	54.49	29	43.87	261	56.076	51	33.35	1
21	36.025	222	65.34	206	6.338	90	69.18	43	54.20	42	46.48	235	56.025	82	33.36	18
31	35.803	271	67.40	178	6.248	111	69.61	22	53.78	51	48.83	199	55.943	107	33.54	30
Apr. 10	35.532	307	69.18	143	6.137	127	69.83	1	53.27	57	50.82	155	55.836	122	33.84	39
20	35.225	326	70.61	103	6.010	132	69.84	16	52.70	63	52.37	107	55.714	131	34.23	46
30	34.899	332	71.64	60	5.878	133	69.68	31	52.07	64	53.44	55	55.583	132	34.69	51
Mai 10	34.567	322	72.24	15	5.745	128	69.37	46	51.43	63	53.99	3	55.451	126	35.20	52
20	34.245	302	72.39	29	5.617	116	68.91	59	50.80	61	54.02	51	55.325	117	35.72	53
30	33.943	271	72.10	72	5.501	102	68.32	70	50.19	56	53.51	102	55.208	103	36.25	52
Juni 9	33.672	233	71.38	113	5.399	85	67.62	79	49.63	50	52.49	149	55.105	86	36.77	50
19	33.439	187	70.25	152	5.314	65	66.83	86	49.13	41	51.00	193	55.019	67	37.27	46
29	33.252	138	68.73	185	5.249	43	65.97	90	48.72	33	49.07	231	54.952	45	37.73	41
Juli 9	33.114	85	66.88	214	5.206	20	65.07	92	48.39	24	46.76	264	54.907	23	38.14	34
19	33.029	30	64.74	240	5.186	5	64.15	89	48.15	13	44.12	291	54.884	2	38.48	25
29	32.999	27	62.34	261	5.191	30	63.26	84	48.02	3	41.21	313	54.886	27	38.73	14
Aug. 8	33.026	84	59.73	275	5.221	57	62.42	73	47.99	8	38.08	326	54.913	53	38.87	1
18	33.110	142	56.98	286	5.278	86	61.69	58	48.07	18	34.82	335	54.966	81	38.88	15
28	33.252	200	54.12	291	5.364	115	61.11	40	48.25	29	31.47	336	55.047	111	38.73	33
Sept. 7	33.452	256	51.21	291	5.479	145	60.71	16	48.54	39	28.11	332	55.158	140	38.40	53
17	33.708	311	48.30	286	5.624	177	60.55	11	48.93	50	24.79	319	55.298	172	37.87	76
27	34.019	366	45.44	274	5.801	209	60.66	41	49.43	58	21.60	301	55.470	204	37.11	99
Okt. 7	34.385	417	42.70	258	6.010	238	61.07	72	50.01	68	18.59	276	55.674	234	36.12	121
17	34.802	462	40.12	234	6.248	266	61.79	104	50.69	75	15.83	244	55.908	264	34.91	143
27	35.264	501	37.78	205	6.514	291	62.83	135	51.44	82	13.39	206	56.172	290	33.48	163
Nov. 6	35.765	531	35.73	170	6.805	308	64.18	163	52.26	86	11.33	161	56.462	308	31.85	178
16	36.296	549	34.03	130	7.113	319	65.81	187	53.12	90	9.72	112	56.770	323	30.07	189
26	36.845	552	32.73	84	7.432	321	67.68	204	54.02	90	8.60	58	57.093	326	28.18	194
Dez. 6	37.397	541	31.89	36	7.753	314	69.72	216	54.92	88	8.02	1	57.419	322	26.24	192
16	37.938	512	31.53	13	8.067	296	71.88	220	55.80	84	8.01	55	57.741	307	24.32	184
26	38.450	466	31.66	64	8.363	270	74.08	218	56.64	76	8.56	110	58.048	281	22.48	171
36	38.916		32.30		8.633		76.26		57.40		9.66		58.329		20.77	
Mittl. Ort	31.692		70.37		3.600		50.35		47.74		49.21		53.182		50.17	
sec δ, tg δ	1.961		+1.687		1.002		−0.069		3.456		+3.308		1.011		+0.147	
a, *a′*	+4.3		−16.7		+3.0		−16.8		+5.4		−17.0		+3.2		−17.2	
b, *b′*	−0.09		− 0.55		0.00		− 0.54		−0.19		− 0.53		−0.01		− 0.51	

Tag	379) η Leonis AR.	Δ	379) η Leonis Dekl.	Δ	380) α Leonis AR.	Δ	380) α Leonis Dekl.	Δ	381) λ Hydrae AR.	Δ	381) λ Hydrae Dekl.	Δ	382) q Velorum AR.	Δ	382) q Velorum Dekl.	Δ
1937	10ʰ 3ᵐ		+17° 3′		10ʰ 5ᵐ		+12° 16′		10ʰ 7ᵐ		−12° 2′		10ʰ 12ᵐ		−41° 48′	
Jan. 1	56ˢ.070	279	61″.22	124	3ˢ.141	273	21″.11	147	32ˢ.915	265	35″.97	247	7ˢ.249	304	30″.18	320
11	56.349	239	59.98	96	3.414	235	19.64	122	33.180	226	38.44	241	7.553	255	33.38	336
21	56.588	194	59.02	67	3.649	190	18.42	95	33.406	182	40.85	228	7.808	200	36.74	343
31	56.782	143	58.35	39	3.839	141	17.47	68	33.588	133	43.13	211	8.008	141	40.17	342
Febr. 10	56.925	92	57.96	11	3.980	90	16.79	41	33.721	84	45.24	190	8.149	81	43.59	330
20	21 57.017	42	57.85	14	21 4.070	41	16.38	17	22 33.805	37	47.14	165	23 8.230	24	46.89	313
März 1	57.059	6	57.99	33	4.111	4	16.21	5	33.842	8	48.79	138	8.254	29	50.02	289
11	57.053	47	58.32	50	4.107	45	16.26	24	33.834	45	50.17	112	8.225	76	52.91	259
21	57.006	80	58.82	61	4.062	77	16.50	38	33.789	77	51.29	86	8.149	116	55.50	226
31	56.926	107	59.43	67	3.985	103	16.88	48	33.712	102	52.15	60	8.033	147	57.76	189
Apr. 10	56.819	125	60.10	70	3.882	121	17.36	54	33.610	119	52.75	35	7.886	172	59.65	149
20	56.694	134	60.80	68	3.761	130	17.90	58	33.491	128	53.10	10	7.714	187	61.14	107
30	56.560	137	61.48	64	3.631	132	18.48	58	33.363	132	53.20	12	7.527	197	62.21	65
Mai 10	56.423	133	62.12	58	3.499	129	19.06	56	33.231	130	53.08	33	7.330	198	62.86	21
20	56.290	124	62.70	49	3.370	120	19.62	53	33.101	123	52.75	54	7.132	194	63.07	21
30	56.166	110	63.19	39	3.250	107	20.15	47	32.978	112	52.21	71	6.938	185	62.86	63
Juni 9	56.056	93	63.58	29	3.143	91	20.62	41	32.866	97	51.50	88	6.753	171	62.23	104
19	55.963	74	63.87	18	3.052	72	21.03	34	32.769	81	50.62	102	6.582	152	61.19	140
29	55.889	52	64.05	5	2.980	52	21.37	25	32.688	61	49.60	112	6.430	128	59.79	173
Juli 9	55.837	28	64.10	8	2.928	29	21.62	15	32.627	41	48.48	120	6.302	101	58.06	200
19	55.809	4	64.02	21	2.899	5	21.77	4	32.586	18	47.28	122	6.201	70	56.06	222
29	55.805	22	63.81	36	2.894	20	21.81	8	32.568	8	46.06	121	6.131	36	53.84	236
Aug. 8	55.827	49	63.45	51	2.914	46	21.73	23	32.576	35	44.85	114	6.095	4	51.48	242
18	55.876	77	62.94	68	2.960	74	21.50	40	32.611	63	43.71	102	6.099	46	49.06	240
28	55.953	107	62.26	86	3.034	103	21.10	57	32.674	95	42.69	83	6.145	90	46.66	228
Sept. 7	56.060	139	61.40	104	3.137	134	20.53	77	32.769	127	41.86	61	6.235	138	44.38	206
17	56.199	171	60.36	122	3.271	166	19.76	98	32.896	161	41.25	32	6.373	184	42.32	175
27	56.370	203	59.14	140	3.437	199	18.78	118	33.057	195	40.93	0	6.557	232	40.57	137
Okt. 7	56.573	235	57.74	157	3.636	230	17.60	139	33.252	228	40.93	36	6.789	277	39.20	91
17	56.808	266	56.17	172	3.866	261	16.21	157	33.480	259	41.29	74	7.066	317	38.29	39
27	57.074	294	54.45	183	4.127	287	14.64	173	33.739	287	42.03	111	7.383	351	37.90	18
Nov. 6	57.368	315	52.62	189	4.414	309	12.91	185	34.026	307	43.14	146	7.734	376	38.08	74
16	57.683	330	50.73	190	4.723	325	11.06	191	34.333	322	44.60	179	8.110	390	38.82	130
26	58.013	337	48.83	186	5.048	330	9.15	192	34.655	327	46.39	205	8.500	393	40.12	183
Dez. 6	58.350	333	46.97	175	5.378	327	7.23	186	34.982	322	48.44	226	8.893	384	41.95	231
16	58.683	320	45.22	159	5.705	314	5.37	175	35.304	307	50.70	239	9.277	362	44.26	271
26	59.003	295	43.63	137	6.019	290	3.62	158	35.611	282	53.09	246	9.639	328	46.97	303
36	59.298		42.26		6.309		2.04		35.893		55.55		9.967		50.00	
Mittl. Ort	54.059		74.17		1.167		32.82		31.013		31.01		5.194		33.10	
sec δ, tg δ	1.046		+0.307		1.023		+0.218		1.022		−0.213		1.342		−0.894	
a, *a′*	+3.3		−17.5		+3.2		−17.6		+2.9		−17.7		+2.5		−17.9	
b, *b′*	−0.02		−0.49		−0.01		−0.48		+0.01		−0.47		+0.05		−0.45	

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Tag	384) ζ Leonis AR.		384) ζ Leonis Dekl.		383) λ Ursae maj. AR.		383) λ Ursae maj. Dekl.		386) μ Ursae maj. AR.		386) μ Ursae maj. Dekl.		387) 30 H. Ursae maj. AR.		387) 30 H. Ursae maj. Dekl.	
1937	$10^h\ 13^m$		$+23^\circ\ 43'$		$10^h\ 13^m$		$+43^\circ\ 13'$		$10^h\ 18^m$		$+41^\circ\ 48'$		$10^h\ 19^m$		$+65^\circ\ 52'$	
Jan. 1	13.455	296	40.38	97	20.673	351	27.44	7	37.292	350	41.87	17	39.97	56	46.40	84
11	13.751	256	39.41	64	21.024	305	27.37	37	37.642	304	41.70	26	40.53	49	47.24	135
21	14.007	209	38.77	32	21.329	249	27.74	77	37.946	251	41.96	67	41.02	40	48.59	180
31	14.216	159	38.45	1	21.578	186	28.51	113	38.197	190	42.63	103	41.42	29	50.39	218
Febr. 10	14.375	105	38.44	29	21.764	121	29.64	142	38.387	126	43.66	134	41.71	19	52.57	246
20	23 14.480	52	38.73	53	23 21.885	55	31.06	164	25 38.513	62	45.00	156	25 41.90	7	55.03	262
März 1	14.532	3	39.26	73	21.940	7	32.70	176	38.575	1	46.56	170	41.97	4	57.65	267
11	14.535	41	39.99	87	21.933	64	34.46	181	38.576	55	48.26	177	41.93	14	60.32	262
21	14.494	78	40.86	95	21.869	111	36.27	176	38.521	102	50.03	174	41.79	23	62.94	244
31	14.416	107	41.81	97	21.758	149	38.03	164	38.419	139	51.77	163	41.56	30	65.38	217
Apr. 10	14.309	127	42.78	94	21.609	178	39.67	145	38.280	168	53.40	147	41.26	36	67.55	183
20	14.182	139	43.72	87	21.431	194	41.12	121	38.112	186	54.87	123	40.90	40	69.38	142
30	14.043	144	44.59	77	21.237	202	42.33	92	37.926	194	56.10	97	40.50	42	70.80	95
Mai 10	13.899	142	45.36	64	21.035	200	43.25	60	37.732	193	57.07	66	40.08	42	71.75	47
20	13.757	133	46.00	48	20.835	191	43.85	28	37.539	185	57.73	34	39.66	41	72.22	2
30	13.624	120	46.48	32	20.644	174	44.13	7	37.354	170	58.07	1	39.25	39	72.20	51
Juni 9	13.504	104	46.80	15	20.470	153	44.06	39	37.184	150	58.08	31	38.86	36	71.69	99
19	13.400	85	46.95	3	20.317	128	43.67	72	37.034	126	57.77	62	38.50	31	70.70	144
29	13.315	63	46.92	21	20.189	98	42.95	101	36.908	99	57.15	93	38.19	25	69.26	184
Juli 9	13.252	39	46.71	38	20.091	67	41.94	130	36.809	69	56.22	121	37.94	20	67.42	221
19	13.213	14	46.33	55	20.024	33	40.64	156	36.740	37	55.01	147	37.74	13	65.21	253
29	13.199	12	45.78	74	19.991	2	39.08	179	36.703	4	53.54	170	37.61	7	62.68	279
Aug. 8	13.211	40	45.04	91	19.993	38	37.29	199	36.699	32	51.84	191	37.54	1	59.89	300
18	13.251	70	44.13	108	20.031	77	35.30	216	36.731	69	49.93	210	37.55	8	56.89	315
28	13.321	101	43.05	126	20.108	116	33.14	231	36.800	107	47.83	224	37.63	15	53.74	324
Sept. 7	13.422	133	41.79	143	20.224	156	30.83	241	36.907	147	45.59	236	37.78	22	50.50	328
17	13.555	167	40.36	159	20.380	198	28.42	248	37.054	188	43.23	245	38.00	30	47.22	324
27	13.722	202	38.77	173	20.578	240	25.94	251	37.242	229	40.78	249	38.30	37	43.98	314
Okt. 7	13.924	236	37.04	186	20.818	280	23.43	249	37.471	270	38.29	248	38.67	44	40.84	298
17	14.160	268	35.18	195	21.098	319	20.94	241	37.741	308	35.81	243	39.11	51	37.86	274
27	14.428	298	33.23	200	21.417	354	18.53	228	38.049	344	33.38	231	39.62	56	35.12	244
Nov. 6	14.726	322	31.23	200	21.771	383	16.25	209	38.393	373	31.07	214	40.18	61	32.68	206
16	15.048	340	29.23	194	22.154	403	14.16	184	38.766	395	28.93	189	40.79	65	30.62	162
26	15.388	348	27.29	183	22.557	414	12.32	152	39.161	406	27.04	160	41.44	66	29.00	113
Dez. 6	15.736	347	25.46	165	22.971	413	10.80	115	39.567	407	25.44	125	42.10	66	27.87	60
16	16.083	335	23.81	141	23.384	398	9.65	74	39.974	393	24.19	84	42.76	63	27.27	3
26	16.418	311	22.40	114	23.782	371	8.91	32	40.367	369	23.35	42	43.39	60	27.24	51
36	16.729		21.26		24.153		8.59		40.736		22.93		43.99		27.75	
Mittl. Ort	11.442		55.30		18.374		46.74		35.067		61.13		36.75		69.34	
sec δ, tg δ	1.092		+0.440		1.373		+0.940		1.342		+0.895		2.448		+2.234	
a, *a′*	+3.3		−17.9		+3.6		−17.9		+3.6		−18.1		+4.3		−18.2	
b, *b′*	−0.03		− 0.45		−0.06		− 0.45		−0.05		− 0.43		−0.13		− 0.42	

Tag	389) μ Hydrae AR.		389) μ Hydrae Dekl.		391) J Carinae AR.		391) J Carinae Dekl.		390) 31 Leonis min. AR.		390) 31 Leonis min. Dekl.		392) Lac. α Antliae AR.		392) Lac. α Antliae Dekl.	
1937	$10^h\ 23^m$		$-16°\ 30'$		$10^h\ 23^m$		$-73°\ 42'$		$10^h\ 24^m$		$+37°\ 1'$		$10^h\ 24^m$		$-30°\ 44'$	
Jan. 1	$4^s.419$	278	$54''.45$	259	$12^s.28$	64	$28''.88$	313	$16^s.957$	336	$32''.12$	43	$17^s.881$	294	$46''.85$	295
11	4.697	240	57.04	258	12.92	52	32.01	350	17.293	294	31.69	3	18.175	251	49.80	305
21	4.937	197	59.62	250	13.44	40	35.51	375	17.587	243	31.66	37	18.426	204	52.85	306
31	5.134	148	62.12	235	13.84	25	39.26	390	17.830	188	32.03	74	18.630	152	55.91	299
Febr. 10	5.282	100	64.47	215	14.09	12	43.16	395	18.018	127	32.77	105	18.782	99	58.90	287
20	5.382	52	66.62	192	14.21	2	47.11	392	18.145	68	33.82	129	18.881	48	61.77	266
März 1	5.434	7	68.54	167	14.19	14	51.03	378	18.213	10	35.11	147	18.929	0	64.43	242
11	5.441	32	70.21	140	14.05	26	54.81	357	18.223	41	36.58	156	18.929	43	66.85	215
21	5.409	66	71.61	112	13.79	37	58.38	328	18.182	86	38.14	158	18.886	78	69.00	183
31	5.343	92	72.73	84	13.42	45	61.66	293	18.096	122	39.72	151	18.808	108	70.83	150
Apr. 10	5.251	111	73.57	57	12.97	53	64.59	253	17.974	148	41.23	139	18.700	130	72.33	115
20	5.140	123	74.14	30	12.44	59	67.12	207	17.826	165	42.62	120	18.570	144	73.48	80
30	5.017	130	74.44	4	11.85	64	69.19	158	17.661	174	43.82	97	18.426	153	74.28	44
Mai 10	4.887	130	74.48	21	11.21	66	70.77	106	17.487	173	44.79	72	18.273	156	74.72	8
20	4.757	126	74.27	44	10.55	67	71.83	53	17.314	167	45.51	44	18.117	152	74.80	27
30	4.631	119	73.83	67	9.88	67	72.36	3	17.147	155	45.95	15	17.965	145	74.53	61
Juni 9	4.512	106	73.16	87	9.21	64	72.33	57	16.992	137	46.10	14	17.820	135	73.92	93
19	4.406	92	72.29	104	8.57	61	71.76	109	16.855	116	45.96	43	17.685	119	72.99	123
29	4.314	75	71.25	119	7.96	54	70.67	158	16.739	92	45.53	70	17.566	100	71.76	149
Juli 9	4.239	55	70.06	129	7.42	48	69.09	202	16.647	65	44.83	97	17.466	80	70.27	169
19	4.184	34	68.77	136	6.94	39	67.07	240	16.582	37	43.86	122	17.386	54	68.58	186
29	4.150	10	67.41	138	6.55	28	64.67	271	16.545	6	42.64	144	17.332	26	66.72	195
Aug. 8	4.140	18	66.03	134	6.27	17	61.96	293	16.539	26	41.20	166	17.306	4	64.77	198
18	4.158	47	64.69	124	6.10	4	59.03	304	16.565	60	39.54	185	17.310	39	62.79	193
28	4.205	79	63.45	108	6.06	9	55.99	305	16.625	95	37.69	201	17.349	76	60.86	181
Sept. 7	4.284	113	62.37	85	6.15	23	52.94	295	16.720	133	35.68	216	17.425	116	59.05	159
17	4.397	148	61.52	58	6.38	36	49.99	272	16.853	171	33.52	227	17.541	156	57.46	131
27	4.545	184	60.94	25	6.74	50	47.27	239	17.024	211	31.25	234	17.697	198	56.15	95
Okt. 7	4.729	220	60.69	12	7.24	61	44.88	196	17.235	250	28.91	238	17.895	239	55.20	53
17	4.949	255	60.81	52	7.85	71	42.92	143	17.485	288	26.53	236	18.134	275	54.67	6
27	5.204	284	61.33	91	8.56	80	41.49	84	17.773	322	24.17	230	18.409	309	54.61	43
Nov. 6	5.488	308	62.24	131	9.36	86	40.65	19	18.095	351	21.87	218	18.718	334	55.04	93
16	5.796	325	63.55	168	10.22	88	40.46	46	18.446	372	19.69	198	19.052	352	55.97	142
26	6.121	333	65.23	199	11.10	88	40.92	113	18.818	385	17.71	173	19.404	358	57.39	187
Dez. 6	6.454	330	67.22	225	11.98	84	42.05	176	19.203	386	15.98	143	19.762	354	59.26	226
16	6.784	317	69.47	244	12.82	79	43.81	234	19.589	375	14.55	106	20.116	338	61.52	258
26	7.101	294	71.91	255	13.61	70	46.15	284	19.964	353	13.49	67	20.454	312	64.10	282
36	7.395		74.46		14.31		48.99		20.317		12.82		20.766		66.92	
Mittl. Ort	2.579		50.85		8.86		37.75		14.861		50.58		15.987		47.27	
sec δ, tg δ	1.043		−0.296		3.565		−3.422		1.253		+0.754		1.164		−0.595	
a, a'	+2.9		−18.3		+1.2		−18.3		+3.5		−18.3		+2.8		−18.3	
b, b'	+0.02		− 0.41		+0.21		− 0.41		−0.05		− 0.41		+0.04		− 0.41	

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Tag	393) s Carinae AR.		Dekl.		394) 36 Ursae maj. AR.		Dekl.		395) 9 H. Draconis AR.		Dekl.		404) 33 Sextantis AR.		Dekl.	
1937	10h 25m		−58° 24′		10h 26m		+56° 17′		10h 29m		+76° 1′		10h 38m		−1° 24′	
Jan. 1	36.013 s	401	55.79 "	321	39.122 s	445	53.53 "	38	52.10 s	90	54.22 "	108	13.682 s	285	43.80 "	210
11	36.414	336	59.00	351	39.567	390	53.91	89	53.00	79	55.30	162	13.967	252	45.90	196
21	36.750	263	62.51	369	39.957	322	54.80	132	53.79	64	56.92	209	14.219	211	47.86	177
31	37.013	185	66.20	379	40.279	245	56.12	173	54.43	48	59.01	248	14.430	166	49.63	156
Febr. 10	37.198	107	69.99	377	40.524	163	57.85	204	54.91	31	61.49	275	14.596	119	51.19	130
20	37.305	30	73.76	367	40.687	79	59.89	225	55.22	11	64.24	292	14.715	72	52.49	104
März 1*)	[26] 37.335	43	77.43	350	[27] 40.766	3	62.14	235	[20] 55.33	6	67.16	296	14.787	28	53.53	79
11	37.292	107	80.93	325	40.763	78	64.49	236	55.27	24	70.12	286	[2] 14.815	13	54.32	55
21	37.185	165	84.18	293	40.685	144	66.85	226	55.03	39	72.98	267	14.802	46	54.87	33
31	37.020	212	87.11	257	40.541	199	69.11	207	54.64	52	75.65	236	14.756	73	55.20	12
Apr. 10	36.808	251	89.68	215	40.342	240	71.18	180	54.12	63	78.01	197	14.683	94	55.32	5
20	36.557	280	91.83	171	40.102	270	72.98	146	53.49	71	79.98	151	14.589	108	55.27	20
30	36.277	300	93.54	123	39.832	285	74.44	107	52.78	76	81.49	100	14.481	115	55.07	34
Mai 10	35.977	311	94.77	74	39.547	289	75.51	66	52.02	78	82.49	46	14.366	117	54.73	45
20	35.666	314	95.51	23	39.258	282	76.17	22	51.24	77	82.95	8	14.249	115	54.28	54
30	35.352	307	95.74	28	38.976	265	76.39	22	50.47	74	82.87	63	14.134	109	53.74	61
Juni 9	35.045	295	95.46	76	38.711	241	76.17	64	49.73	69	82.24	114	14.025	98	53.13	68
19	34.750	273	94.70	124	38.470	210	75.53	106	49.04	62	81.10	164	13.927	86	52.45	71
29	34.477	243	93.46	167	38.260	173	74.47	144	48.42	53	79.46	208	13.841	71	51.74	72
Juli 9	34.234	207	91.79	205	38.087	133	73.03	179	47.89	43	77.38	247	13.770	54	51.02	72
19	34.027	164	89.74	238	37.954	88	71.24	211	47.46	32	74.91	282	13.716	34	50.30	68
29	33.863	112	87.36	262	37.866	41	69.13	237	47.14	21	72.09	309	13.682	13	49.62	62
Aug. 8	33.751	55	84.74	278	37.825	7	66.76	260	46.93	8	69.00	332	13.669	11	49.00	51
18	33.696	8	81.96	284	37.832	59	64.16	278	46.85	4	65.68	346	13.680	37	48.49	38
28	33.704	76	79.12	280	37.891	111	61.38	292	46.89	17	62.22	354	13.717	67	48.11	20
Sept. 7	33.780	145	76.32	265	38.002	165	58.46	299	47.06	30	58.68	355	13.784	97	47.91	0
17	33.925	218	73.67	240	38.167	221	55.47	302	47.36	43	55.13	349	13.881	132	47.91	26
27	34.143	287	71.27	204	38.388	275	52.45	299	47.79	55	51.64	336	14.013	166	48.17	53
Okt. 7	34.430	352	69.23	158	38.663	329	49.46	289	48.34	67	48.28	314	14.179	202	48.70	81
17	34.782	411	67.65	106	38.992	380	46.57	273	49.01	77	45.14	287	14.381	235	49.51	111
27	35.193	459	66.59	46	39.372	426	43.84	251	49.78	88	42.27	251	14.616	267	50.62	139
Nov. 6	35.652	496	66.13	16	39.798	465	41.33	221	50.66	95	39.76	208	14.883	293	52.01	164
16	36.148	516	66.29	79	40.263	494	39.12	184	51.61	101	37.68	160	15.176	313	53.65	187
26	36.664	520	67.08	142	40.757	510	37.28	142	52.62	104	36.08	104	15.489	324	55.52	203
Dez. 6	37.184	507	68.50	200	41.267	512	35.86	95	53.66	105	35.04	47	15.813	327	57.55	213
16	37.691	478	70.50	252	41.779	499	34.91	45	54.71	101	34.57	14	16.140	318	59.68	217
26	38.169	433	73.02	296	42.278	469	34.46	8	55.72	96	34.71	73	16.458	299	61.85	214
36	38.602		75.98		42.747		34.54		56.68		35.44		16.757		63.99	
Mittl. Ort	33.671		62.55		36.566		75.66		47.67		78.44		11.922		35.66	
sec δ, tg δ	1.909		−1.627		1.803		+1.500		4.145		+4.022		1.000		−0.025	
a, *a′*	+2.2		−18.4		+3.9		−18.4		+5.1		−18.5		+3.1		−18.8	
b, *b′*	+0.10		− 0.40		−0.09		− 0.40		−0.25		− 0.38		0.00		− 0.35	

*) Bei Stern 404) lies März 2.

Tag	406) ϑ Argus AR.		406) ϑ Argus Dekl.		407) 42 Leonis min. AR.		407) 42 Leonis min. Dekl.		408) μ Argus AR.		408) μ Argus Dekl.		409) l Leonis AR.		409) l Leonis Dekl.	
1937	10h 40m		−64° 3′		10h 42m		+31° 0′		10h 44m		−49° 5′		10h 45m		+10° 52′	
Jan. 1	44.76	49	42.11	306	23.943	328	35.30	83	5.189	366	7.85	306	58.611	297	32.39	167
11	45.25	41	45.17	341	24.271	292	34.47	45	5.555	317	10.91	331	58.908	264	30.72	143
21	45.66	33	48.58	366	24.563	248	34.02	5	5.872	260	14.22	348	59.172	225	29.29	115
31	45.99	24	52.24	380	24.811	197	33.97	32	6.132	197	17.70	355	59.397	179	28.14	86
Febr. 10	46.23	14	56.04	385	25.008	142	34.29	66	6.329	134	21.25	353	59.576	131	27.28	56
20	46.37	6	59.89	380	25.150	86	34.95	94	6.463	71	24.78	342	59.707	83	26.72	29
März 2	46.43	2	63.69	368	25.236	33	35.89	116	6.534	10	28.20	325	[4]59.790	37	26.43	4
11	[2]46.41	10	67.37	346	[3]25.269	15	37.05	130	[3]6.544	43	31.45	302	59.827	4	26.39	19
21	46.31	18	70.83	319	25.254	59	38.35	138	6.501	92	34.47	271	59.823	41	26.58	36
31	46.13	23	74.02	285	25.195	92	39.73	139	6.409	132	37.18	238	59.782	69	26.94	49
Apr. 10	45.90	28	76.87	245	25.103	120	41.12	132	6.277	165	39.56	200	59.713	92	27.43	59
20	45.62	33	79.32	203	24.983	138	42.44	121	6.112	190	41.56	158	59.621	107	28.02	64
30	45.29	36	81.35	155	24.845	149	43.65	104	5.922	208	43.14	116	59.514	117	28.66	67
Mai 10	44.93	37	82.90	105	24.696	152	44.69	85	5.714	219	44.30	70	59.397	119	29.33	66
20	44.56	39	83.95	54	24.544	149	45.54	62	5.495	224	45.00	24	59.278	117	29.99	63
30	44.17	38	84.49	1	24.395	141	46.16	38	5.271	222	45.24	22	59.161	112	30.62	58
Juni 9	43.79	38	84.50	50	24.254	128	46.54	13	5.049	214	45.02	66	59.049	101	31.20	51
19	43.41	35	84.00	101	24.126	113	46.67	13	4.835	202	44.36	109	58.948	90	31.71	44
29	43.06	33	82.99	148	24.013	93	46.54	37	4.633	182	43.27	149	58.858	75	32.15	34
Juli 9	42.73	29	81.51	190	23.920	71	46.17	62	4.451	157	41.78	183	58.783	57	32.49	24
19	42.44	23	79.61	228	23.849	48	45.55	87	4.294	127	39.95	213	58.726	39	32.73	12
29	42.21	18	77.33	257	23.801	21	44.68	109	4.167	91	37.82	236	58.687	17	32.85	2
Aug. 8	42.03	11	74.76	279	23.780	7	43.59	131	4.076	49	35.46	251	58.670	6	32.83	18
18	41.92	4	71.97	290	23.787	37	42.28	152	4.027	3	32.95	256	58.676	33	32.65	34
28	41.88	5	69.07	292	23.824	70	40.76	171	4.024	49	30.39	253	58.709	61	32.31	54
Sept. 7	41.93	13	66.15	283	23.894	105	39.05	188	4.073	104	27.86	240	58.770	92	31.77	74
17	42.06	22	63.32	261	23.999	142	37.17	204	4.177	161	25.46	215	58.862	127	31.03	97
27	42.28	30	60.71	230	24.141	180	35.13	217	4.338	218	23.31	183	58.989	161	30.06	118
Okt. 7	42.58	39	58.41	188	24.321	219	32.96	226	4.556	274	21.48	141	59.150	197	28.88	141
17	42.97	46	56.53	138	24.540	257	30.70	231	4.830	326	20.07	91	59.347	232	27.47	161
27	43.43	53	55.15	80	24.797	293	28.39	232	5.156	370	19.16	36	59.579	265	25.86	179
Nov. 6	43.96	57	54.35	18	25.090	323	26.07	225	5.526	406	18.80	22	59.844	293	24.07	194
16	44.53	59	54.17	46	25.413	347	23.82	214	5.932	430	19.02	81	60.137	314	22.13	202
26	45.12	61	54.63	111	25.760	362	21.68	195	6.362	441	19.83	139	60.451	329	20.11	206
Dez. 6	45.73	60	55.74	172	26.122	368	19.73	171	6.803	437	21.22	193	60.780	332	18.05	203
16	46.33	57	57.46	228	26.490	361	18.02	140	7.240	420	23.15	242	61.112	327	16.02	193
26	46.90	51	59.74	278	26.851	342	16.62	105	7.660	389	25.57	282	61.439	309	14.09	177
36	47.41		62.52		27.193		15.57		8.049		28.39		61.748		12.32	
Mittl. Ort	42.29		50.36		22.055		52.90		3.184		13.32		56.867		44.37	
sec δ, tg δ	2.286		−2.056		1.167		+0.601		1.527		−1.154		1.018		+0.192	
a, a′	+2.1		−18.9		+3.3		−18.9		+2.6		−19.0		+3.2		−19.0	
b, b′	+0.13		−0.34		−0.04		−0.33		+0.07		−0.33		−0.01		−0.32	

Scheinbare Sternörter 1937

Tag	415) i Velorum AR.		415) Dekl.		416) β Ursae maj. AR.		416) Dekl.		417) α Ursae maj. AR.		417) Dekl.		418) χ Leonis AR.		418) Dekl.	
1937	$10^h\ 57^m$		$-41^\circ\ 53'$		$10^h\ 58^m$		$+56^\circ\ 42'$		$10^h\ 59^m$		$+62^\circ\ 4'$		$11^h\ 1^m$		$+7^\circ\ 40'$	
	s		"		s		"		s		"		s		"	
Jan. 1	17.397	349	11.56	291	5.399	474	50.28	6	53.77	54	64.99	23	47.770	302	26.12	183
11	17.746	307	14.47	313	5.873	427	50.34	59	54.31	48	65.22	79	48.072	272	24.29	161
21	18.053	259	17.60	327	6.300	366	50.93	111	54.79	42	66.01	131	48.344	234	22.68	135
31	18.312	204	20.87	332	6.666	295	52.04	156	55.21	33	67.32	177	48.578	190	21.33	108
Febr. 10	18.516	147	24.19	328	6.961	215	53.60	194	55.54	25	69.09	215	48.768	145	20.25	78
20	18.663	91	27.47	316	7.176	134	55.54	222	55.79	14	71.24	243	48.913	98	19.47	51
März 2	18.754	37	30.63	299	7 7.310	50	57.76	240	7 55.93	6	73.67	260	49.011	52	18.96	24
11	7 18.791	12	33.62	275	7.360	27	60.16	247	55.99	4	76.27	265	8 49.063	11	18.72	0
21	18.779	56	36.37	247	7.333	97	62.63	244	55.95	12	78.92	259	49.074	25	18.72	20
31	18.723	93	38.84	216	7.236	159	65.07	231	55.83	20	81.51	243	49.049	56	18.92	35
Apr. 10	18.630	123	41.00	180	7.077	208	67.38	208	55.63	25	83.94	217	48.993	79	19.27	48
20	18.507	147	42.80	142	6.869	245	69.46	178	55.38	30	86.11	184	48.914	96	19.75	57
30	18.360	163	44.22	103	6.624	271	71.24	142	55.08	33	87.95	145	48.818	107	20.32	62
Mai 10	18.197	174	45.25	62	6.353	284	72.66	102	54.75	35	89.40	100	48.711	112	20.94	64
20	18.023	180	45.87	21	6.069	287	73.68	57	54.40	36	90.40	53	48.599	114	21.58	64
30	17.843	180	46.08	21	5.782	279	74.25	13	54.04	34	90.93	5	48.485	110	22.22	63
Juni 9	17.663	176	45.87	60	5.503	265	74.38	32	53.70	33	90.98	44	48.375	104	22.85	58
19	17.487	166	45.27	100	5.238	241	74.06	76	53.37	31	90.54	90	48.271	94	23.43	53
29	17.321	153	44.27	134	4.997	212	73.30	118	53.06	26	89.64	134	48.177	82	23.96	46
Juli 9	17.168	133	42.93	166	4.785	178	72.12	158	52.80	23	88.30	176	48.095	68	24.42	37
19	17.035	109	41.27	192	4.607	139	70.54	194	52.57	18	86.54	214	48.027	50	24.79	27
29	16.926	81	39.35	212	4.468	97	68.60	226	52.39	13	84.40	246	47.977	32	25.06	14
Aug. 8	16.845	47	37.23	226	4.371	50	66.34	253	52.26	8	81.94	275	47.945	9	25.20	0
18	16.798	8	34.97	230	4.321	2	63.81	277	52.18	1	79.19	299	47.936	16	25.20	16
28	16.790	35	32.67	226	4.319	52	61.04	296	52.17	4	76.20	316	47.952	44	25.04	36
Sept. 7	16.825	83	30.41	213	4.371	106	58.08	309	52.21	11	73.04	327	47.996	75	24.68	56
17	16.908	132	28.28	190	4.477	163	54.99	317	52.32	18	69.77	334	48.071	110	24.12	79
27	17.040	183	26.38	160	4.640	222	51.82	318	52.50	25	66.43	333	48.181	144	23.33	103
Okt. 7	17.223	235	24.78	120	4.862	280	48.64	312	52.75	31	63.10	325	48.325	182	22.30	127
17	17.458	282	23.58	73	5.142	338	45.52	302	53.06	39	59.85	309	48.507	218	21.03	149
27	17.740	325	22.85	23	5.480	390	42.50	281	53.45	43	56.76	287	48.725	253	19.54	171
Nov. 6	18.065	361	22.62	32	5.870	438	39.69	255	53.88	49	53.89	257	48.978	283	17.83	189
16	18.426	387	22.94	87	6.308	476	37.14	221	54.37	54	51.32	218	49.261	307	15.94	201
26	18.813	400	23.81	140	6.784	503	34.93	180	54.91	57	49.14	174	49.568	323	13.93	209
Dez. 6	19.213	402	25.21	190	7.287	515	33.13	132	55.48	58	47.40	123	49.891	331	11.84	209
16	19.615	391	27.11	233	7.802	511	31.81	82	56.06	59	46.17	68	50.222	326	9.75	206
26	20.006	367	29.44	271	8.313	491	30.99	27	56.65	55	45.49	11	50.548	313	7.69	189
36	20.373		32.15		8.804		30.72		57.20		45.38		50.861		5.80	
Mittl. Ort	15.565		15.63		3.223		73.73		51.42		89.27		46.125		37.25	
sec δ, tg δ	1.343		−0.897		1.822		+1.524		2.137		+1.888		1.009		+0.135	
a, a'	+2.7		−19.3		+3.6		−19.3		+3.7		−19.4		+3.1		−19.4	
b, b'	+0.06		−0.27		−0.10		−0.27		−0.12		−0.26		−0.01		−0.25	

Tag	420) ψ Ursae maj.				421) β Crateris				422) δ Leonis				423) ϑ Leonis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1937	$11^h\ 6^m$		+44° 49′		$11^h\ 8^m$		−22° 28′		$11^h\ 10^m$		+20° 51′		$11^h\ 10^m$		+15° 45′	
Jan. 1	9.654	392	64.73	49	35.052	313	54.69	261	47.298	322	53.61	141	57.790	314	73.44	158
11	10.046	356	64.24	2	35.365	282	57.30	267	47.620	292	52.20	108	58.104	286	71.86	130
21	10.402	309	64.26	50	35.647	242	59.97	267	47.912	255	51.12	72	58.390	248	70.56	98
31	10.711	252	64.76	94	35.889	197	62.64	259	48.167	210	50.40	37	58.638	205	69.58	65
Febr. 10	10.963	191	65.70	133	36.086	149	65.23	246	48.377	162	50.03	2	58.843	158	68.93	32
20	11.154	126	67.03	165	36.235	103	67.69	227	48.539	113	50.01	29	59.001	110	68.61	1
März 2	11.280	61	68.68	188	36.338	57	69.96	204	48.652	64	50.30	56	59.111	63	68.60	25
11	^{9}11.341	2	70.56	202	^{9}36.395	14	72.00	180	^{10}48.716	19	50.86	78	^{10}59.174	20	68.85	50
21	11.343	53	72.58	207	36.409	22	73.80	154	48.735	21	51.64	95	59.194	18	69.35	65
31	11.290	100	74.65	201	36.387	53	75.34	125	48.714	54	52.59	103	59.176	51	70.00	79
Apr. 10	11.190	137	76.66	189	36.334	79	76.59	97	48.660	82	53.62	108	59.125	77	70.79	86
20	11.053	166	78.55	168	36.255	97	77.56	69	48.578	101	54.70	106	59.048	96	71.65	89
30	10.887	186	80.23	141	36.158	111	78.25	41	48.477	115	55.76	101	58.952	108	72.54	87
Mai 10	10.701	196	81.64	111	36.047	119	78.66	12	48.362	122	56.77	91	58.844	116	73.41	83
20	10.505	198	82.75	76	35.928	124	78.78	14	48.240	125	57.68	78	58.728	118	74.24	74
30	10.307	195	83.51	39	35.804	124	78.64	42	48.115	122	58.46	63	58.610	116	74.98	65
Juni 9	10.112	185	83.90	3	35.680	120	78.22	65	47.993	117	59.09	46	58.494	111	75.63	52
19	9.927	169	83.93	35	35.560	113	77.57	89	47.876	106	59.55	28	58.383	101	76.15	39
29	9.758	150	83.58	71	35.447	104	76.68	108	47.770	95	59.83	9	58.282	90	76.54	24
Juli 9	9.608	126	82.87	107	35.343	90	75.60	126	47.675	79	59.92	11	58.192	76	76.78	8
19	9.482	100	81.80	139	35.253	73	74.34	138	47.596	62	59.81	30	58.116	59	76.86	8
29	9.382	69	80.41	170	35.180	53	72.96	147	47.534	42	59.51	52	58.057	40	76.78	25
Aug. 8	9.313	37	78.71	197	35.127	29	71.49	149	47.492	18	58.99	72	58.017	18	76.53	44
18	9.276	0	76.74	222	35.098	0	70.00	146	47.474	7	58.27	93	57.999	8	76.09	64
28	9.276	39	74.52	244	35.098	31	68.54	136	47.481	36	57.34	114	58.007	36	75.45	84
Sept. 7	9.315	81	72.08	261	35.129	67	67.18	120	47.517	69	56.20	135	58.043	67	74.61	106
17	9.396	127	69.47	274	35.196	107	65.98	96	47.586	104	54.85	156	58.110	102	73.55	126
27	9.523	172	66.73	282	35.303	146	65.02	66	47.690	140	53.29	176	58.212	138	72.29	148
Okt. 7	9.695	220	63.91	287	35.449	189	64.36	32	47.830	180	51.53	192	58.350	176	70.81	168
17	9.915	268	61.04	283	35.638	229	64.04	7	48.010	219	49.61	207	58.526	214	69.13	187
27	10.183	312	58.21	274	35.867	267	64.11	49	48.229	255	47.54	218	58.740	251	67.26	201
Nov. 6	10.495	352	55.47	258	36.134	300	64.60	91	48.484	289	45.36	224	58.991	283	65.25	211
16	10.847	385	52.89	234	36.434	325	65.51	132	48.773	315	43.12	223	59.274	310	63.14	216
26	11.232	408	50.55	204	36.759	341	66.83	171	49.088	335	40.89	217	59.584	328	60.98	215
Dez. 6	11.640	421	48.51	166	37.100	347	68.54	203	49.423	345	38.72	203	59.912	337	58.83	208
16	12.061	420	46.85	124	37.447	342	70.57	231	49.768	344	36.69	184	60.249	337	56.75	193
26	12.481	405	45.61	76	37.789	325	72.88	250	50.112	332	34.85	158	60.586	323	54.82	171
36	12.886		44.85		38.114		75.38		50.444		33.27		60.909		53.11	
Mittl. Ort	7.809		86.21		33.412		53.37		45.673		68.92		56.182		87.20	
sec δ, tg δ	1.410		+0.994		1.082		−0.414		1.070		+0.381		1.039		+0.282	
a, *a′*	+3.4		−19.5		+2.9		−19.5		+3.2		−19.6		+3.2		−19.6	
b, *b′*	−0.06		−0.23		+0.03		−0.22		−0.02		−0.21		−0.02		−0.21	

Tag	425) ν Ursae maj. AR.	Δ	Dekl.	Δ	426) δ Crateris AR.	Δ	Dekl.	Δ	427) σ Leonis AR.	Δ	Dekl.	Δ	428) π Centauri AR.	Δ	Dekl.	Δ
1937	11h 15m		+33° 25′		11h 16m		−14° 26′		11h 17m		+6° 21′		11h 18m		−54° 8′	
Jan. 1	6.559	351	58.92	98	12.916	309	18.45	242	54.887	309	78.83	190	9.488	434	36.49	275
11	6.910	321	57.94	56	13.225	280	20.87	241	55.196	281	76.93	170	9.922	388	39.24	309
21	7.231	280	57.38	11	13.505	244	23.28	235	55.477	246	75.23	145	10.310	331	42.33	334
31	7.511	233	57.27	30	13.749	201	25.63	221	55.723	205	73.78	118	10.641	268	45.67	350
Febr. 10	7.744	180	57.57	69	13.950	155	27.84	204	55.928	159	72.60	88	10.909	201	49.17	357
20	7.924	125	58.26	102	14.105	110	29.88	183	56.087	114	71.72	60	11.110	134	52.74	355
März 2	^{11}8.049	70	59.28	129	^{11}14.215	66	31.71	158	56.201	69	71.12	32	11.244	69	56.29	344
11*)	8.119	20	60.57	148	14.281	25	33.29	134	^{12}56.270	28	70.80	8	^{12}11.313	7	59.73	328
21	8.139	26	62.05	160	14.306	11	34.63	108	56.298	9	70.72	13	11.320	48	63.01	304
31	8.113	66	63.65	162	14.295	42	35.71	83	56.289	40	70.85	31	11.272	97	66.05	276
Apr. 10	8.047	97	65.27	159	14.253	67	36.54	58	56.249	65	71.16	45	11.175	140	68.81	241
20	7.950	122	66.86	148	14.186	85	37.12	35	56.184	84	71.61	54	11.035	176	71.22	204
30	7.828	139	68.34	132	14.101	99	37.47	12	56.100	97	72.15	62	10.859	204	73.26	162
Mai 10	7.689	148	69.66	111	14.002	108	37.59	10	56.003	106	72.77	65	10.655	225	74.88	117
20	7.541	152	70.77	86	13.894	112	37.49	30	55.897	108	73.42	66	10.430	240	76.05	72
30	7.389	150	71.63	60	13.782	113	37.19	48	55.789	109	74.08	65	10.190	249	76.77	24
Juni 9	7.239	144	72.23	31	13.669	110	36.71	66	55.680	104	74.73	62	9.941	250	77.01	22
19	7.095	133	72.54	1	13.559	104	36.05	81	55.576	98	75.35	57	9.691	246	76.79	69
29	6.962	119	72.55	27	13.455	95	35.24	95	55.478	88	75.92	51	9.445	233	76.10	113
Juli 9	6.843	101	72.28	56	13.360	84	34.29	104	55.390	76	76.43	43	9.212	214	74.97	154
19	6.742	82	71.72	85	13.276	69	33.25	111	55.314	61	76.86	32	8.998	187	73.43	191
29	6.660	58	70.87	112	13.207	51	32.14	114	55.253	44	77.18	21	8.811	153	71.52	220
Aug. 8	6.602	32	69.75	137	13.156	29	31.00	112	55.209	23	77.39	7	8.658	111	69.32	244
18	6.570	3	68.38	162	13.127	3	29.88	105	55.186	1	77.46	9	8.547	62	66.88	258
28	6.567	30	66.76	185	13.124	26	28.83	93	55.187	28	77.37	28	8.485	6	64.30	263
Sept. 7	6.597	65	64.91	205	13.150	60	27.90	76	55.215	59	77.09	50	8.479	55	61.67	259
17	6.662	104	62.86	223	13.210	96	27.14	52	55.274	93	76.59	72	8.534	121	59.08	243
27	6.766	145	60.63	237	13.306	134	26.62	24	55.367	129	75.87	95	8.655	188	56.65	219
Okt. 7	6.911	187	58.26	249	13.440	175	26.38	8	55.496	168	74.92	121	8.843	255	54.46	183
17	7.098	229	55.77	255	13.615	214	26.46	43	55.664	205	73.71	145	9.098	319	52.63	138
27	7.327	271	53.22	255	13.829	252	26.89	79	55.869	242	72.26	167	9.417	376	51.25	88
Nov. 6	7.598	307	50.67	250	14.081	284	27.68	116	56.111	274	70.59	186	9.793	425	50.37	31
16	7.905	337	48.17	238	14.365	311	28.84	150	56.385	302	68.73	201	10.218	460	50.06	29
26	8.242	360	45.79	219	14.676	328	30.34	180	56.687	320	66.72	210	10.678	481	50.35	87
Dez. 6	8.602	372	43.60	192	15.004	336	32.14	206	57.007	330	64.62	213	11.159	488	51.22	147
16	8.974	374	41.68	159	15.340	334	34.20	224	57.337	329	62.49	208	11.647	479	52.69	199
26	9.348	361	40.09	122	15.674	320	36.44	237	57.666	318	60.41	198	12.126	453	54.68	247
36	9.709		38.87		15.994		38.81		57.984		58.43		12.579		57.15	
Mittl. Ort	4.902		77.86		11.340		14.60		53.336		89.61		7.596		43.99	
sec δ, tg δ	1.198		+0.660		1.033		−0.257		1.006		+0.112		1.707		−1.384	
a, *a′*	+3.2		−19.7		+3.0		−19.7		+3.1		−19.7		+2.7		−19.7	
b, *b′*	−0.04		−0.19		+0.02		−0.19		−0.01		−0.18		+0.09		−0.18	

*) Bei Stern 427) und 428) lies März 12.

Tag	429) Grb 1771 AR.	Δ	429) Dekl.	Δ	433) λ Draconis AR.	Δ	433) Dekl.	Δ	434) ξ Hydrae AR.	Δ	434) Dekl.	Δ	436) λ Centauri AR.	Δ	436) Dekl.	Δ
1937	$11^h\ 19^m$		+64° 39′		$11^h\ 27^m$		+69° 39′		$11^h\ 29^m$		−31° 30′		$11^h\ 32^m$		−62° 40′	
Jan. 1	9.90	59	66.93	9	43.41	71	78.32	14	55.494	342	30.13	261	53.88	54	6.51	252
11	10.49	54	67.02	67	44.12	66	78.46	75	55.836	311	32.74	277	54.42	49	9.03	295
21	11.03	48	67.69	124	44.78	58	79.21	132	56.147	272	35.51	286	54.91	42	11.98	327
31	11.51	39	68.93	173	45.36	49	80.53	184	56.419	227	38.37	288	55.33	35	15.25	351
Febr. 10	11.90	30	70.66	215	45.85	37	82.37	227	56.646	179	41.25	281	55.68	27	18.76	365
20	12.20	20	72.81	247	46.22	25	84.64	260	56.825	130	44.06	270	55.95	18	22.41	371
März 2	12.40	10	75.28	267	46.47	13	87.24	281	56.955	82	46.76	252	56.13	11	26.12	367
12	[12] 12.50	1	77.95	277	[14] 46.60	0	90.05	290	[15] 57.037	38	49.28	230	[16] 56.24	3	29.79	356
21	12.49	10	80.72	274	46.60	11	92.95	288	57.075	3	51.58	205	56.27	4	33.35	336
31	12.39	18	83.46	261	46.49	22	95.83	274	57.072	38	53.63	177	56.23	11	36.71	312
Apr. 10	12.21	25	86.07	237	46.27	31	98.57	249	57.034	67	55.40	148	56.12	16	39.83	280
20	11.96	31	88.44	205	45.96	39	101.06	215	56.967	90	56.88	117	55.96	22	42.63	244
30	11.65	36	90.49	166	45.57	44	103.21	174	56.877	110	58.05	85	55.74	26	45.07	204
Mai 10	11.29	38	92.15	122	45.13	48	104.95	129	56.767	122	58.90	52	55.48	29	47.11	158
20	10.91	39	93.37	74	44.65	51	106.24	78	56.645	133	59.42	19	55.19	31	48.69	111
30	10.52	39	94.11	24	44.14	51	107.02	26	56.512	137	59.61	14	54.88	34	49.80	62
Juni 9	10.13	38	94.35	26	43.63	50	107.28	27	56.375	138	59.47	45	54.54	34	50.42	10
19	9.75	36	94.09	75	43.13	47	107.01	78	56.237	136	59.02	76	54.20	34	50.52	40
29	9.39	33	93.34	123	42.66	45	106.23	128	56.101	129	58.26	104	53.86	33	50.12	89
Juli 9	9.06	29	92.11	166	42.21	39	104.95	174	55.972	119	57.22	128	53.53	32	49.23	136
19	8.77	24	90.45	208	41.82	34	103.21	217	55.853	103	55.94	150	53.21	28	47.87	178
29	8.53	19	88.37	244	41.48	27	101.04	255	55.750	85	54.44	166	52.93	24	46.09	215
Aug. 8	8.34	13	85.93	276	41.21	21	98.49	288	55.665	59	52.78	177	52.69	19	43.94	245
18	8.21	8	83.17	302	41.00	12	95.61	315	55.606	31	51.01	180	52.50	12	41.49	268
28	8.13	0	80.15	323	40.88	5	92.46	337	55.575	4	49.21	177	52.38	5	38.81	279
Sept. 7	8.13	6	76.92	337	40.83	4	89.09	351	55.579	44	47.44	166	52.33	2	36.02	282
17	8.19	15	73.55	346	40.87	14	85.58	360	55.623	86	45.78	146	52.35	11	33.20	273
27	8.34	21	70.09	347	41.01	22	81.98	359	55.709	132	44.32	120	52.46	20	30.47	253
Okt. 7	8.55	29	66.62	341	41.23	33	78.39	353	55.841	179	43.12	87	52.66	28	27.94	222
17	8.84	37	63.21	327	41.56	41	74.86	339	56.020	226	42.25	47	52.94	37	25.72	181
27	9.21	44	59.94	306	41.97	50	71.47	314	56.246	269	41.78	3	53.31	44	23.91	133
Nov. 6	9.65	51	56.88	276	42.47	58	68.33	283	56.515	307	41.75	43	53.75	51	22.58	76
16	10.16	55	54.12	239	43.05	65	65.50	244	56.822	338	42.18	91	54.26	56	21.82	16
26	10.71	60	51.73	193	43.70	70	63.06	196	57.160	358	43.09	135	54.82	58	21.66	46
Dez. 6	11.31	62	49.80	142	44.40	74	61.10	143	57.518	369	44.44	178	55.40	60	22.12	108
16	11.93	63	48.38	86	45.14	74	59.67	84	57.887	366	46.22	214	56.00	59	23.20	167
26	12.56	61	47.52	26	45.88	73	58.83	23	58.253	353	48.36	243	56.59	56	24.87	221
36	13.17		47.26		46.61		58.60		58.606		50.79		57.15		27.08	
Mittl. Ort	7.77		92.12		41.23		104.25		53.921		31.91		51.88		16.08	
sec δ, tg δ	2.338		+2.113		2.880		+2.700		1.173		−0.613		2.178		−1.935	
a, *a′*	+3.6		−19.7		+3.6		−19.8		+3.0		−19.9		+2.8		−19.9	
b, *b′*	−0.14		− 0.18		−0.18		− 0.14		+0.04		− 0.13		+0.13		− 0.12	

Scheinbare Sternörter 1937

Tag	437) υ Leonis AR.		437) υ Leonis Dekl.		440) 3 Draconis AR.		440) 3 Draconis Dekl.		441) χ Ursae maj. AR.		441) χ Ursae maj. Dekl.		444) β Leonis [1] AR.		444) β Leonis [1] Dekl.	
1937	$11^h\ 33^m$		$-0°\ 28'$		$11^h\ 38^m$		$+67°\ 4'$		$11^h\ 42^m$		$+48°\ 7'$		$11^h\ 45^m$		$+14°\ 54'$	
Jan. 1	$44^s.835$	314	$41''.50$	210	$60^s.46$	65	$71''.67$	9	$45^s.418$	425	$20''.54$	73	$52^s.265$	324	$73''.78$	174
11	45.149	288	43.60	196	61.11	61	71.58	54	45.843	396	19.81	20	52.589	302	72.04	146
21	45.437	255	45.56	178	61.72	54	72.12	111	46.239	356	19.61	35	52.891	270	70.58	114
31	45.692	216	47.34	155	62.26	46	73.23	165	46.595	304	19.96	85	53.161	232	69.44	79
Febr. 10	45.908	172	48.89	129	62.72	37	74.88	211	46.899	244	20.81	131	53.393	188	68.65	44
20	46.080	129	50.18	102	63.09	25	76.99	247	47.143	180	22.12	170	53.581	142	68.21	12
März 2	46.209	85	51.20	75	63.34	15	79.46	273	47.323	114	23.82	200	53.723	97	68.09	19
12	46.294	44	51.95	50	63.49	3	82.19	285	47.437	49	25.82	220	53.820	54	68.28	46
21	^{16}46.338	8	52.45	26	^{17}63.52	7	85.04	286	^{18}47.486	10	28.02	231	^{19}53.874	15	68.74	66
31	46.346	24	52.71	6	63.45	16	87.90	277	47.476	64	30.33	230	53.889	20	69.40	82
Apr. 10	46.322	50	52.77	13	63.29	25	90.67	255	47.412	111	32.63	221	53.869	48	70.22	92
20	46.272	70	52.64	27	63.04	32	93.22	225	47.301	147	34.84	204	53.821	71	71.14	98
30	46.202	85	52.37	40	62.72	37	95.47	188	47.154	177	36.88	178	53.750	89	72.12	98
Mai 10	46.117	95	51.97	49	62.35	41	97.35	144	46.977	197	38.66	148	53.661	101	73.10	94
20	46.022	102	51.48	56	61.94	43	98.79	96	46.780	209	40.14	112	53.560	108	74.04	88
30	45.920	104	50.92	61	61.51	45	99.75	45	46.571	214	41.26	73	53.452	113	74.92	77
Juni 9	45.816	103	50.31	65	61.06	44	100.20	6	46.357	212	41.99	34	53.339	112	75.69	66
19	45.713	100	49.66	67	60.62	42	100.14	58	46.145	205	42.33	9	53.227	110	76.35	51
29	45.613	93	48.99	66	60.20	39	99.56	107	45.940	191	42.24	49	53.117	103	76.86	36
Juli 9	45.520	83	48.33	64	59.81	37	98.49	154	45.749	175	41.75	90	53.014	95	77.22	20
19	45.437	72	47.69	59	59.44	31	96.95	199	45.574	151	40.85	128	52.919	82	77.42	2
29	45.365	56	47.10	51	59.13	26	94.96	237	45.423	126	39.57	164	52.837	68	77.44	17
Aug. 8	45.309	37	46.59	42	58.87	21	92.59	273	45.297	94	37.93	197	52.769	49	77.27	37
18	45.272	14	46.17	28	58.66	13	89.86	302	45.203	60	35.96	227	52.720	27	76.90	57
28	45.258	12	45.89	12	58.53	7	86.84	326	45.143	20	33.69	253	52.693	0	76.33	79
Sept. 7	45.270	43	45.77	8	58.46	2	83.58	344	45.123	24	31.16	276	52.693	31	75.54	102
17	45.313	77	45.85	31	58.48	9	80.14	354	45.147	71	28.40	293	52.724	64	74.52	124
27	45.390	114	46.16	56	58.57	17	76.60	359	45.218	122	25.47	305	52.788	102	73.28	146
Okt. 7	45.504	154	46.72	83	58.74	27	73.01	355	45.340	175	22.42	312	52.890	142	71.82	168
17	45.658	193	47.55	110	59.01	35	69.46	344	45.515	229	19.30	312	53.032	183	70.14	188
27	45.851	231	48.65	138	59.36	43	66.02	324	45.744	281	16.18	305	53.215	223	68.26	205
Nov. 6	46.082	266	50.03	163	59.79	50	62.78	295	46.025	330	13.13	291	53.438	259	66.21	217
16	46.348	294	51.66	184	60.29	57	59.83	259	46.355	372	10.22	267	53.697	291	64.04	225
26	46.642	316	53.50	201	60.86	63	57.24	214	46.727	406	7.55	238	53.988	316	61.79	225
Dez. 6	46.958	328	55.51	212	61.49	66	55.10	163	47.133	429	5.17	198	54.304	331	59.54	220
16	47.286	330	57.63	216	62.15	67	53.47	105	47.562	438	3.19	154	54.635	337	57.34	207
26	47.616	320	59.79	213	62.82	67	52.42	45	48.000	432	1.65	104	54.972	330	55.27	188
36	47.936		61.92		63.49		51.97		48.432		0.61		55.302		53.39	
Mittl. Ort	43.376		33.03		58.61		97.57		43.917		43.41		50.876		87.47	
sec δ, tg δ	1.000		−0.008		2.569		+2.367		1.498		+1.116		1.035		+0.266	
a, a'	+3.1		−19.9		+3.4		−20.0		+3.2		−20.0		+3.1		−20.0	
b, b'	0.00		− 0.11		−0.16		− 0.09		−0.07		− 0.08		−0.02		− 0.06	

[1]) Die jährliche Parallaxe ($0''.101$) ist bereits berücksichtigt.

Obere Kulmination Greenwich

Tag	445) β Virginis¹) AR.	Diff.	445) β Virginis¹) Dekl.	Diff.	447) γ Ursae maj. AR.	Diff.	447) γ Ursae maj. Dekl.	Diff.	450) o Virginis AR.	Diff.	450) o Virginis Dekl.	Diff.	452) δ Centauri AR.	Diff.	452) δ Centauri Dekl.	Diff.
1937	11ʰ 47ᵐ		+2° 6′		11ʰ 50ᵐ		+54° 1′		12ʰ 2ᵐ		+9° 4′		12ʰ 5ᵐ		−50° 22′	
Jan. 1	26.199 ˢ	319	61.77 ″	205	33.036 ˢ	472	77.75 ″	63	1.323 ˢ	325	46.20 ″	193	6.549 ˢ	445	10.12 ″	228
11	26.518	297	59.72	190	33.508	443	77.12	6	1.648	305	44.27	171	6.994	414	12.40	266
21	26.815	265	57.82	169	33.951	401	77.06	52	1.953	276	42.56	142	7.408	372	15.06	293
31	27.080	228	56.13	143	34.352	344	77.58	105	2.229	241	41.14	113	7.780	321	17.99	314
Febr. 10	27.308	186	54.70	116	34.696	280	78.63	152	2.470	200	40.01	79	8.101	266	21.13	325
20	27.494	143	53.54	88	34.976	208	80.15	193	2.670	158	39.22	48	8.367	208	24.38	329
März 2	27.637	99	52.66	59	35.184	135	82.08	223	2.828	113	38.74	18	8.575	149	27.67	325
12	27.736	58	52.07	34	35.319	61	84.31	244	2.941	73	38.56	10	8.724	93	30.92	314
21*)	[19] 27.794	22	51.73	10	[20] 35.380	7	86.75	254	[23] 3.014	34	38.66	33	[24] 8.817	40	34.06	298
31	27.816	11	51.63	10	35.373	70	89.29	252	3.048	0	38.99	51	8.857	8	37.04	275
Apr. 10	27.805	38	51.73	27	35.303	125	91.81	241	3.048	28	39.50	67	8.849	52	39.79	249
20	27.767	59	52.00	40	35.178	169	94.22	221	3.020	53	40.17	76	8.797	91	42.28	217
30	27.708	77	52.40	51	35.009	206	96.43	193	2.967	71	40.93	82	8.706	124	44.45	182
Mai 10	27.631	88	52.91	58	34.803	232	98.36	158	2.896	86	41.75	84	8.582	152	46.27	145
20	27.543	97	53.49	62	34.571	248	99.94	119	2.810	96	42.59	81	8.430	176	47.72	104
30	27.446	100	54.11	65	34.323	257	101.13	76	2.714	102	43.40	78	8.254	194	48.76	61
Juni 9	27.346	102	54.76	66	34.066	256	101.89	33	2.612	106	44.18	72	8.060	207	49.37	19
19	27.244	100	55.42	63	33.810	250	102.22	14	2.506	106	44.90	62	7.853	213	49.56	25
29	27.144	95	56.05	61	33.560	237	102.08	58	2.400	103	45.52	52	7.640	215	49.31	67
Juli 9	27.049	88	56.66	55	33.323	217	101.50	102	2.297	98	46.04	41	7.425	209	48.64	108
19	26.961	77	57.21	48	33.106	193	100.48	143	2.199	89	46.45	27	7.216	197	47.56	145
29	26.884	64	57.69	39	32.913	163	99.05	182	2.110	77	46.72	11	7.019	175	46.11	178
Aug. 8	26.820	46	58.08	26	32.750	128	97.23	217	2.033	60	46.83	5	6.844	147	44.33	206
18	26.774	24	58.34	13	32.622	89	95.06	249	1.973	41	46.78	22	6.697	109	42.27	225
28	26.750	2	58.47	5	32.533	43	92.57	277	1.932	15	46.56	44	6.588	65	40.02	238
Sept. 7	26.752	31	58.42	26	32.490	5	89.80	299	1.917	13	46.12	65	6.523	12	37.64	241
17	26.783	66	58.16	47	32.495	60	86.81	316	1.930	48	45.47	87	6.511	48	35.23	234
27	26.849	103	57.69	73	32.555	116	83.65	327	1.978	84	44.60	112	6.559	110	32.89	218
Okt. 7	26.952	143	56.96	97	32.671	177	80.38	333	2.062	125	43.48	136	6.669	176	30.71	192
17	27.095	182	55.99	125	32.848	237	77.05	330	2.187	167	42.12	159	6.845	242	28.79	156
27	27.277	223	54.74	150	33.085	296	73.75	320	2.354	207	40.53	180	7.087	303	27.23	114
Nov. 6	27.500	258	53.24	172	33.381	352	70.55	302	2.561	246	38.73	198	7.390	360	26.09	63
16	27.758	290	51.52	192	33.733	401	67.53	276	2.807	280	36.75	211	7.750	404	25.46	11
26	28.048	313	49.60	206	34.134	441	64.77	242	3.087	306	34.64	219	8.154	439	25.35	45
Dez. 6	28.361	327	47.54	215	34.575	469	62.35	199	3.393	324	32.45	221	8.593	459	25.80	100
16	28.688	332	45.39	215	35.044	481	60.36	150	3.717	332	30.24	214	9.052	464	26.80	152
26	29.020	326	43.24	211	35.525	479	58.86	96	4.049	329	28.10	203	9.516	455	28.32	200
36	29.346		41.13		36.004		57.90		4.378		26.07		9.971		30.32	
Mittl. Ort	24.814		71.13		31.584		101.88		0.040		57.86		5.027		17.74	
sec δ, tg δ	1.001		+0.037		1.703		+1.379		1.013		+0.160		1.568		−1.208	
a, a'	+3.1		−20.0		+3.1		−20.0		+3.1		−20.0		+3.1		−20.0	
b, b'	0.00		− 0.05		−0.09		− 0.04		−0.01		+ 0.01		+0.08		+ 0.02	

¹) Die jährliche Parallaxe (0.″101) ist bereits berücksichtigt.

*) Bei Stern 450) und 452) lies März 22.

Scheinbare Sternörter 1937

Tag	453) ε Corvi		454) 4 H. Draconis		456) δ Ursae maj.		459) β Chamael.	
	AR.	Dekl.	AR.	Dekl.	AR.	Dekl.	AR.	Dekl.
1937	$12^h\ 6^m$	−22° 16′	$12^h\ 9^m$	+77° 57′	$12^h\ 12^m$	+57° 22′	$12^h\ 14^m$	−78° 57′
Jan. 1	54.181 341	10.62 233	17.63 114	31.49 18	20.255 509	32.09 79	38.99 126	32.28 172
11	54.522 319	12.95 242	18.77 109	31.31 48	20.764 486	31.30 18	40.25 116	34.00 227
21	54.841 289	15.37 246	19.86 101	31.79 111	21.250 447	31.12 42	41.41 106	36.27 273
31	55.130 252	17.83 242	20.87 88	32.90 169	21.697 394	31.54 99	42.47 91	39.00 313
Febr. 10	55.382 210	20.25 233	21.75 73	34.59 219	22.091 328	32.53 151	43.38 76	42.13 344
20	55.592 167	22.58 219	22.48 54	36.78 259	22.419 256	34.04 195	44.14 58	45.57 366
März 2	55.759 123	24.77 200	23.02 35	39.37 289	22.675 178	35.99 231	44.72 42	49.23 379
12	55.882 82	26.77 179	23.37 16	42.26 306	22.853 100	38.30 254	45.14 24	53.02 382
22	[24] 55.964 43	28.56 156	[25] 23.53 5	45.32 311	[26] 22.953 24	40.84 268	[26] 45.38 7	56.84 379
31	56.007 9	30.12 132	23.48 24	48.43 302	22.977 47	43.52 270	45.45 10	60.63 365
Apr. 10	56.016 20	31.44 107	23.24 41	51.45 284	22.930 110	46.22 261	45.35 25	64.28 346
20	55.996 46	32.51 82	22.83 56	54.29 253	22.820 163	48.83 243	45.10 41	67.74 319
30	55.950 67	33.33 58	22.27 69	56.82 216	22.657 209	51.26 216	44.69 54	70.93 286
Mai 10	55.883 83	33.91 32	21.58 80	58.98 170	22.448 243	53.42 182	44.15 66	73.79 246
20	55.800 97	34.23 9	20.78 86	60.68 121	22.205 269	55.24 142	43.49 76	76.25 201
30	55.703 107	34.32 15	19.92 91	61.89 66	21.936 284	56.66 99	42.73 84	78.26 153
Juni 9	55.596 113	34.17 37	19.01 93	62.55 12	21.652 291	57.65 52	41.89 91	79.79 100
19	55.483 117	33.80 60	18.08 91	62.67 44	21.361 291	58.17 5	40.98 94	80.79 45
29	55.366 117	33.20 79	17.17 89	62.23 98	21.070 281	58.22 43	40.04 95	81.24 10
Juli 9	55.249 114	32.41 96	16.28 84	61.25 150	20.789 266	57.79 90	39.09 94	81.14 65
19	55.135 105	31.45 111	15.44 77	59.75 198	20.523 245	56.89 134	38.15 88	80.49 118
29	55.030 94	30.34 121	14.67 67	57.77 241	20.278 215	55.55 176	37.27 82	79.31 168
Aug. 8	54.936 77	29.13 129	14.00 58	55.36 282	20.063 182	53.79 216	36.45 70	77.63 212
18	54.859 54	27.84 130	13.42 45	52.54 313	19.881 141	51.63 250	35.75 56	75.51 251
28	54.805 27	26.54 125	12.97 33	49.41 341	19.740 94	49.13 281	35.19 40	73.00 279
Sept. 7	54.778 7	25.29 116	12.64 18	46.00 362	19.646 43	46.32 306	34.79 21	70.21 298
17	54.785 45	24.13 99	12.46 4	42.38 375	19.603 16	43.26 326	34.58 1	67.23 306
27	54.830 88	23.14 76	12.42 13	38.63 380	19.619 77	40.00 341	34.57 21	64.17 303
Okt. 7	54.918 132	22.38 48	12.55 28	34.83 377	19.696 143	36.59 347	34.78 42	61.14 288
17	55.050 178	21.90 15	12.83 44	31.06 366	19.839 211	33.12 347	35.20 63	58.26 260
27	55.228 223	21.75 22	13.27 60	27.40 347	20.050 277	29.65 338	35.83 82	55.66 221
Nov. 6	55.451 265	21.97 61	13.87 75	23.93 317	20.327 342	26.27 322	36.65 99	53.45 174
16	55.716 299	22.58 99	14.62 88	20.76 280	20.669 400	23.05 296	37.64 113	51.71 118
26	56.015 327	23.57 136	15.50 99	17.96 234	21.069 448	20.09 261	38.77 123	50.53 57
Dez. 6	56.342 345	24.93 170	16.49 108	15.62 179	21.517 485	17.48 218	40.00 129	49.96 6
16	56.687 351	26.63 198	17.57 114	13.83 121	22.002 506	15.30 169	41.29 131	50.02 71
26	57.038 346	28.61 220	18.71 115	12.62 56	22.508 512	13.61 113	42.60 128	50.73 133
36	57.384	30.81	19.86	12.06	23.020	12.48	43.88	52.06
Mittl. Ort	52.852	9.93	16.28	58.58	19.081	56.92	36.52	45.00
sec δ, tg δ	1.081	−0.409	4.796	+4.691	1.855	+1.563	5.223	−5.127
a, a'	+3.1	−20.0	+2.8	−20.0	+3.0	−20.0	+3.5	−20.0
b, b'	+0.03	+ 0.03	−0.31	+ 0.04	−0.10	+ 0.05	+0.34	+ 0.06

Tag	460) η Virginis AR.		460) η Virginis Dekl.		462) α Crucis med. AR.		462) α Crucis med. Dekl.		466) 20 Comae AR.		466) 20 Comae Dekl.		465) δ Corvi AR.		465) δ Corvi Dekl.	
1937	$12^h\ 16^m$		−0° 19′		$12^h\ 23^m$		−62° 44′		$12^h\ 26^m$		+21° 14′		$12^h\ 26^m$		−16° 9′	
Jan. 1	42.129 s	326	8.93 "	210	6.57 s	59	51.52 "	192	34.598 s	342	25.34 "	178	37.288 s	338	56.21 "	220
11	42.455	309	11.03	197	7.16	56	53.44	238	34.940	328	23.56	144	37.626	320	58.41	226
21	42.764	281	13.00	179	7.72	51	55.82	277	35.268	302	22.12	105	37.946	295	60.67	223
31	43.045	249	14.79	156	8.23	45	58.59	310	35.570	269	21.07	65	38.241	261	62.90	216
Febr. 10	43.294	210	16.35	130	8.68	38	61.69	332	35.839	230	20.42	23	38.502	223	65.06	202
20	43.504	170	17.65	103	9.06	30	65.01	347	36.069	187	20.19	15	38.725	183	67.08	185
März 2	43.674	128	18.68	74	9.36	23	68.48	352	36.256	143	20.34	50	38.908	141	68.93	165
12	43.802	88	19.42	48	9.59	15	72.00	352	36.399	99	20.84	82	39.049	102	70.58	142
22	43.890	51	19.90	23	9.74	8	75.52	341	36.498	57	21.66	105	39.151	64	72.00	119
31	[27] 43.941	18	20.13	2	[28] 9.82	1	78.93	325	[29] 36.555	20	22.71	124	[29] 39.215	31	73.19	97
Apr. 10	43.959	11	20.15	17	9.83	5	82.18	303	36.575	14	23.95	135	39.246	0	74.16	74
20	43.948	36	19.98	33	9.78	11	85.21	275	36.561	42	25.30	139	39.246	25	74.90	52
30	43.912	55	19.65	44	9.67	17	87.96	242	36.519	65	26.69	138	39.221	47	75.42	32
Mai 10	43.857	71	19.21	54	9.50	21	90.38	203	36.454	85	28.07	131	39.174	66	75.74	12
20	43.786	84	18.67	60	9.29	26	92.41	161	36.369	99	29.38	119	39.108	81	75.86	7
30	43.702	93	18.07	64	9.03	28	94.02	117	36.270	110	30.57	104	39.027	92	75.79	25
Juni 9	43.609	99	17.43	67	8.75	32	95.19	68	36.160	117	31.61	86	38.935	102	75.54	41
19	43.510	103	16.76	67	8.43	33	95.87	19	36.043	121	32.47	65	38.833	108	75.13	56
29	43.407	103	16.09	65	8.10	34	96.06	30	35.922	121	33.12	43	38.725	112	74.57	70
Juli 9	43.304	100	15.44	61	7.76	33	95.76	79	35.801	118	33.55	20	38.613	110	73.87	81
19	43.204	94	14.83	57	7.43	33	94.97	125	35.683	112	33.75	5	38.503	107	73.06	91
29	43.110	85	14.26	48	7.10	29	93.72	168	35.571	102	33.70	30	38.396	99	72.15	97
Aug. 8	43.025	70	13.78	38	6.81	26	92.04	205	35.469	88	33.40	56	38.297	84	71.18	99
18	42.955	52	13.40	26	6.55	21	89.99	235	35.381	68	32.84	81	38.213	67	70.19	98
28	42.903	28	13.14	9	6.34	14	87.64	258	35.313	45	32.03	108	38.146	41	69.21	92
Sept. 7	42.875	0	13.05	8	6.20	8	85.06	271	35.268	15	30.95	132	38.105	11	68.29	80
17	42.875	34	13.13	31	6.12	1	82.35	274	35.253	19	29.63	158	38.094	24	67.49	63
27	42.909	71	13.44	55	6.13	10	79.61	267	35.272	57	28.05	181	38.118	65	66.86	42
Okt. 7	42.980	112	13.99	80	6.23	19	76.94	247	35.329	100	26.24	202	38.183	108	66.44	16
17	43.092	155	14.79	107	6.42	28	74.47	217	35.429	143	24.22	222	38.291	154	66.28	14
27	43.247	197	15.86	134	6.70	37	72.30	178	35.572	189	22.00	237	38.445	199	66.42	47
Nov. 6	43.444	237	17.20	158	7.07	45	70.52	131	35.761	231	19.63	246	38.644	241	66.89	81
16	43.681	272	18.78	180	7.52	52	69.21	76	35.992	270	17.17	251	38.885	279	67.70	115
26	43.953	300	20.58	198	8.04	56	68.45	19	36.262	302	14.66	249	39.164	309	68.85	146
Dez. 6	44.253	320	22.56	209	8.60	60	68.26	42	36.564	327	12.17	238	39.473	330	70.31	174
16	44.573	329	24.65	214	9.20	61	68.68	101	36.891	340	9.79	220	39.803	340	72.05	196
26	44.902	329	26.79	213	9.81	60	69.69	156	37.231	344	7.59	195	40.143	340	74.01	212
36	45.231		28.92		10.41		71.25		37.575		5.64		40.483		76.13	
Mittl. Ort	40.918		0.65		5.01		62.10		33.500		40.93		36.089		53.64	
sec δ, tg δ	1.000		−0.005		2.184		−1.942		1.073		+0.389		1.041		−0.290	
a, *a′*	+3.1		−20.0		+3.3		−19.9		+3.0		−19.9		+3.1		−19.9	
b, *b′*	0.00		+ 0.07		+0.13		+ 0.10		−0.03		+ 0.12		+0.02		+ 0.12	

Scheinbare Sternörter 1937

Tag	470) 8 Canum ven.[1] AR.		Dekl.		472) ϰ Draconis AR.		Dekl.	
1937	12h 30m		+41° 41′		12h 30m		+70° 7′	
Jan. 1	46.357	397	36.50	137	49.06	74	40.43	68
11	46.754	382	35.13	84	49.80	72	39.75	2
21	47.136	355	34.29	31	50.52	68	39.73	62
31	47.491	317	33.98	23	51.20	61	40.35	124
Febr. 10	47.808	271	34.21	73	51.81	51	41.59	179
20	48.079	219	34.94	119	52.32	41	43.38	225
März 2	48.298	165	36.13	159	52.73	30	45.63	262
12	48.463	108	37.72	190	53.03	17	48.25	288
22	30 48.571	55	39.62	212	30 53.20	5	51.13	301
31	48.626	6	41.74	223	53.25	6	54.14	302
Apr. 10	48.632	39	43.97	225	53.19	18	57.16	291
20	48.593	77	46.22	220	53.01	27	60.07	270
30	48.516	111	48.42	204	52.74	35	62.77	239
Mai 10	48.405	136	50.46	183	52.39	42	65.16	201
20	48.269	156	52.29	155	51.97	47	67.17	157
30	48.113	170	53.84	123	51.50	50	68.74	107
Juni 9	47.943	179	55.07	88	51.00	53	69.81	56
19	47.764	183	55.95	50	50.47	53	70.37	3
29	47.581	183	56.45	11	49.94	53	70.40	51
Juli 9	47.398	176	56.56	29	49.41	50	69.89	103
19	47.222	167	56.27	67	48.91	47	68.86	152
29	47.055	152	55.60	105	48.44	44	67.34	198
Aug. 8	46.903	132	54.55	142	48.00	37	65.36	241
18	46.771	107	53.13	176	47.63	32	62.95	278
28	46.664	76	51.37	208	47.31	24	60.17	311
Sept. 7	46.588	41	49.29	236	47.07	15	57.06	337
17	46.547	1	46.93	262	46.92	8	53.69	357
27	46.548	47	44.31	282	46.84	3	50.12	371
Okt. 7	46.595	96	41.49	298	46.87	13	46.41	375
17	46.691	149	38.51	308	47.00	23	42.66	372
27	46.840	202	35.43	312	47.23	33	38.94	360
Nov. 6	47.042	253	32.31	307	47.56	44	35.34	339
16	47.295	300	29.24	295	48.00	53	31.95	309
26	47.595	340	26.29	275	48.53	61	28.86	269
Dez. 6	47.935	371	23.54	246	49.14	68	26.17	221
16	48.306	390	21.08	209	49.82	72	23.96	166
26	48.696	397	18.99	165	50.54	74	22.30	105
36	49.093		17.34		51.28		21.25	
Mittl. Ort	45.349		57.98		48.29		66.90	
sec δ, tg δ	1.339		+0.891		2.943		+2.768	
a, *a′*	+2.9		−19.9		+2.6		−19.9	
b, *b′*	−0.06		+ 0.13		−0.18		+ 0.13	

Tag	471) β Corvi AR.		Dekl.		473) 24 Comae sq. AR.		Dekl.	
1937	12h 31m		−23° 2′		12h 31m		+18° 42′	
Jan. 1	5.569	350	55.13	219	59.351	340	70.30	185
11	5.919	332	57.32	231	59.691	325	68.45	154
21	6.251	307	59.63	237	60.016	301	66.91	116
31	6.558	272	62.00	235	60.317	270	65.75	78
Febr. 10	6.830	234	64.35	229	60.587	231	64.97	37
20	7.064	192	66.64	216	60.818	190	64.60	0
März 2	7.256	151	68.80	199	61.008	147	64.60	36
12	7.407	110	70.79	181	61.155	104	64.96	66
22	30 7.517	71	72.60	159	31 61.259	63	65.62	92
31	7.588	37	74.19	137	61.322	27	66.54	111
Apr. 10	7.625	5	75.56	113	61.349	7	67.65	124
20	7.630	22	76.69	90	61.342	34	68.89	130
30	7.608	45	77.59	66	61.308	58	70.19	131
Mai 10	7.563	66	78.25	43	61.250	78	71.50	125
20	7.497	83	78.68	20	61.172	92	72.75	117
30	7.414	96	78.88	3	61.080	104	73.92	104
Juni 9	7.318	108	78.85	26	60.976	112	74.96	87
19	7.210	115	78.59	47	60.864	117	75.83	70
29	7.095	120	78.12	66	60.747	118	76.53	49
Juli 9	6.975	120	77.46	85	60.629	117	77.02	27
19	6.855	117	76.61	100	60.512	112	77.29	6
29	6.738	108	75.61	113	60.400	102	77.35	19
Aug. 8	6.630	95	74.48	122	60.298	89	77.16	43
18	6.535	75	73.26	125	60.209	72	76.73	67
28	6.460	50	72.01	123	60.137	48	76.06	92
Sept. 7	6.410	18	70.78	117	60.089	20	75.14	118
17	6.392	20	69.61	102	60.069	14	73.96	142
27	6.412	62	68.59	83	60.083	52	72.54	167
Okt. 7	6.474	109	67.76	58	60.135	94	70.87	188
17	6.583	155	67.18	27	60.229	137	68.99	210
27	6.738	204	66.91	7	60.366	182	66.89	226
Nov. 6	6.942	248	66.98	45	60.548	226	64.63	238
16	7.190	287	67.43	82	60.774	264	62.25	244
26	7.477	318	68.25	119	61.038	297	59.81	245
Dez. 6	7.795	341	69.44	153	61.335	321	57.36	238
16	8.136	352	70.97	182	61.656	336	54.98	222
26	8.488	352	72.79	205	61.992	340	52.76	201
36	8.840		74.84		62.332		50.75	
Mittl. Ort	4.371		54.98		58.284		85.01	
sec δ, tg δ	1.087		−0.425		1.056		+0.339	
a, *a′*	+3.1		−19.9		+3.0		−19.8	
b, *b′*	+0.03		+ 0.14		−0.02		+ 0.14	

[1]) Die jährliche Parallaxe (0″107) ist bereits berücksichtigt.

Tag	474) α Muscae AR.	Δ	Dekl.	Δ	476) γ Centauri AR.	Δ	Dekl.	Δ
1937	12h 33m		−68° 47′		12h 38m		−48° 36′	
Jan. 1	25.96s	73	8.15″	167	3.146s	450	43.19″	193
11	26.69	70	9.82	217	3.596	429	45.12	232
21	27.39	63	11.99	263	4.025	394	47.44	262
31	28.02	57	14.62	299	4.419	353	50.06	284
Febr. 10	28.59	48	17.61	328	4.772	305	52.90	300
20	29.07	40	20.89	347	5.077	252	55.90	306
März 2	29.47	30	24.36	359	5.329	199	58.96	307
12	29.77	22	27.95	362	5.528	145	62.03	300
22	29.99	11	31.57	356	5.673	95	65.03	288
31*)	[31] 30.10	4	35.13	345	[1] 5.768	47	67.91	270
Apr. 10	30.14	6	38.58	326	5.815	2	70.61	249
20	30.08	13	41.84	300	5.817	37	73.10	222
30	29.95	20	44.84	269	5.780	75	75.32	192
Mai 10	29.75	27	47.53	232	5.705	107	77.24	158
20	29.48	32	49.85	190	5.598	135	78.82	123
30	29.16	37	51.75	145	5.463	159	80.05	85
Juni 9	28.79	42	53.20	96	5.304	179	80.90	44
19	28.37	43	54.16	45	5.125	194	81.34	4
29	27.94	46	54.61	7	4.931	204	81.38	37
Juli 9	27.48	45	54.54	58	4.727	205	81.01	77
19	27.03	44	53.96	108	4.522	202	80.24	114
29	26.59	41	52.88	155	4.320	190	79.10	147
Aug. 8	26.18	36	51.33	198	4.130	168	77.63	178
18	25.82	30	49.35	232	3.962	140	75.85	201
28	25.52	23	47.03	261	3.822	101	73.84	217
Sept. 7	25.29	13	44.42	279	3.721	54	71.67	226
17	25.16	3	41.63	288	3.667	0	69.41	225
27	25.13	9	38.75	284	3.667	61	67.16	214
Okt. 7	25.22	20	35.91	270	3.728	126	65.02	195
17	25.42	32	33.21	244	3.854	192	63.07	166
27	25.74	43	30.77	208	4.046	257	61.41	129
Nov. 6	26.17	53	28.69	163	4.303	317	60.12	85
16	26.70	61	27.06	109	4.620	368	59.27	37
26	27.31	68	25.97	52	4.988	410	58.90	15
Dez. 6	27.99	73	25.45	9	5.398	439	59.05	68
16	28.72	74	25.54	71	5.837	453	59.73	118
26	29.46	75	26.25	129	6.290	453	60.91	165
36	30.21		27.54		6.743		62.56	
Mittl. Ort	24.37		19.89		1.863		50.83	
sec δ, tg δ	2.764		−2.577		1.513		−1.135	
a, *a′*	+3.6		−19.8		+3.3		−19.8	
b, *b′*	+0.17		+ 0.15		+0.07		+ 0.17	

Tag	478) 76 Ursae maj. AR.	Δ	Dekl.	Δ	481) β Crucis AR.	Δ	Dekl.	Δ
1937	12h 38m		+63° 2′		12h 44m		−59° 20′	
Jan. 1	50.01s	58	65.74″	95	2.801s	557	30.89″	170
11	50.59	57	64.79	33	3.358	532	32.59	216
21	51.16	53	64.46	31	3.890	493	34.75	256
31	51.69	49	64.77	93	4.383	442	37.31	287
Febr. 10	52.18	41	65.70	149	4.825	383	40.18	311
20	52.59	34	67.19	198	5.208	320	43.29	326
März 2	52.93	25	69.17	238	5.528	254	46.55	335
12	53.18	16	71.55	268	5.782	187	49.90	334
22	53.34	8	74.23	285	5.969	122	53.24	328
31*)	[1] 53.42	2	77.08	291	[3] 6.091	60	56.52	314
Apr. 10	53.40	10	79.99	286	6.151	2	59.66	295
20	53.30	16	82.85	269	6.153	54	62.61	270
30	53.14	23	85.54	244	6.099	104	65.31	240
Mai 10	52.91	28	87.98	210	5.995	149	67.71	206
20	52.63	32	90.08	171	5.846	190	69.77	167
30	52.31	35	91.79	125	5.656	226	71.44	126
Juni 9	51.96	36	93.04	77	5.430	254	72.70	80
19	51.60	38	93.81	27	5.176	277	73.50	35
29	51.22	37	94.08	25	4.899	290	73.85	13
Juli 9	50.85	36	93.83	74	4.609	295	73.72	59
19	50.49	34	93.09	123	4.314	291	73.13	104
29	50.15	32	91.86	170	4.023	274	72.09	146
Aug. 8	49.83	28	90.16	212	3.749	247	70.63	184
18	49.55	23	88.04	251	3.502	208	68.79	215
28	49.32	18	85.53	285	3.294	157	66.64	240
Sept. 7	49.14	13	82.68	315	3.137	96	64.24	255
17	49.01	5	79.53	338	3.041	24	61.69	261
27	48.96	1	76.15	355	3.017	56	59.08	257
Okt. 7	48.97	9	72.60	364	3.073	139	56.51	241
17	49.06	18	68.96	366	3.212	224	54.10	216
27	49.24	25	65.30	359	3.436	307	51.94	181
Nov. 6	49.49	34	61.71	343	3.743	383	50.13	136
16	49.83	41	58.28	318	4.126	450	48.77	87
26	50.24	47	55.10	284	4.576	502	47.90	32
Dez. 6	50.71	53	52.26	241	5.078	539	47.58	25
16	51.24	56	49.85	189	5.617	559	47.83	82
26	51.80	58	47.96	132	6.176	560	48.65	136
36	52.38		46.64		6.736		50.01	
Mittl. Ort	49.28		91.30		1.471		41.07	
sec δ, tg δ	2.207		+1.968		1.961		−1.687	
a, *a′*	+2.6		−19.8		+3.5		−19.7	
b, *b′*	−0.13		+ 0.17		+0.11		+ 0.19	

*) Bei Stern 476), 478) und 481) lies April 1.

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Tag	482) η Centauri AR.		Dekl.		483) ε Ursae maj. AR.		Dekl.		484) δ Virginis AR.		Dekl.		486) 8 Draconis AR.		Dekl.	
1937	$12^h\ 49^m$		$-39^\circ\ 50'$		$12^h\ 51^m$		$+56^\circ\ 17'$		$12^h\ 52^m$		$+3^\circ\ 43'$		$12^h\ 52^m$		$+65^\circ\ 46'$	
Jan. 1	57.460	406	7.12	193	16.473	496	40.81	127	26.728	330	72.25	206	58.85	63	21.97	107
11	57.866	389	9.05	223	16.969	487	39.54	66	27.058	319	70.19	191	59.48	63	20.90	43
21	58.255	363	11.28	246	17.456	461	38.88	4	27.377	299	68.28	168	60.11	59	20.47	23
31	58.618	327	13.74	262	17.917	421	38.84	57	27.676	271	66.60	142	60.70	54	20.70	86
Febr. 10	58.945	286	16.36	271	18.338	368	39.41	115	27.947	238	65.18	113	61.24	47	21.56	144
20	59.231	241	19.07	273	18.706	305	40.56	166	28.185	200	64.05	81	61.71	39	23.00	196
März 2	59.472	195	21.80	270	19.011	235	42.22	209	28.385	161	63.24	51	62.10	30	24.96	239
12	59.667	149	24.50	260	19.246	164	44.31	242	28.546	123	62.73	22	62.40	21	27.35	270
22	59.816	105	27.10	245	19.410	90	46.73	266	28.669	86	62.51	4	62.61	10	30.05	291
Apr. 1	59.921	63	29.55	228	19.500	21	49.39	276	28.755	51	62.55	26	62.71	1	32.96	299
10	59.984	26	31.83	206	19.521	43	52.15	277	28.806	21	62.81	46	62.72	9	35.95	296
20	60.010	10	33.89	183	19.478	103	54.92	267	28.827	6	63.27	59	62.63	16	38.91	281
30	60.000	41	35.72	155	19.375	152	57.59	247	28.821	29	63.86	70	62.47	24	41.72	258
Mai 10	59.959	70	37.27	126	19.223	196	60.06	219	28.792	50	64.56	76	62.23	30	44.30	224
20	59.889	95	38.53	95	19.027	230	62.25	184	28.742	67	65.32	79	61.93	35	46.54	185
30	59.794	116	39.48	62	18.797	256	64.09	144	28.675	81	66.11	80	61.58	38	48.39	140
Juni 9	59.678	135	40.10	29	18.541	274	65.53	100	28.594	93	66.91	77	61.20	41	49.79	92
19	59.543	150	40.39	5	18.267	285	66.53	53	28.501	102	67.68	73	60.79	43	50.71	40
29	59.393	160	40.34	39	17.982	288	67.06	6	28.399	107	68.41	66	60.36	43	51.11	12
Juli 9	59.233	165	39.95	72	17.694	284	67.12	43	28.292	110	69.07	58	59.93	42	50.99	64
19	59.068	164	39.23	102	17.410	273	66.69	90	28.182	110	69.65	47	59.51	41	50.35	114
29	58.904	157	38.21	130	17.137	255	65.79	136	28.072	105	70.12	37	59.10	37	49.21	162
Aug. 8	58.747	143	36.91	154	16.882	230	64.43	179	27.967	95	70.49	22	58.73	35	47.59	206
18	58.604	121	35.37	171	16.652	198	62.64	219	27.872	82	70.71	7	58.38	29	45.53	248
28	58.483	90	33.66	184	16.454	159	60.45	255	27.790	60	70.78	11	58.09	24	43.05	284
Sept. 7	58.393	53	31.82	189	16.295	112	57.90	286	27.730	36	70.67	31	57.85	18	40.21	315
17	58.340	7	29.93	186	16.183	60	55.04	313	27.694	3	70.36	53	57.67	10	37.06	340
27	58.333	45	28.07	175	16.123	0	51.91	334	27.691	33	69.83	76	57.57	3	33.66	358
Okt. 7	58.378	100	26.32	154	16.123	65	48.57	349	27.724	75	69.07	101	57.54	6	30.08	370
17	58.478	158	24.78	127	16.188	133	45.08	355	27.799	118	68.06	126	57.60	14	26.38	373
27	58.636	216	23.51	93	16.321	203	41.53	355	27.917	163	66.80	151	57.74	24	22.65	367
Nov. 6	58.852	271	22.58	52	16.524	272	37.98	344	28.080	206	65.29	173	57.98	33	18.98	353
16	59.123	318	22.06	8	16.796	336	34.54	326	28.286	246	63.56	192	58.31	41	15.45	329
26	59.441	358	21.98	39	17.132	393	31.28	297	28.532	280	61.64	206	58.72	49	12.16	296
Dez. 6	59.799	387	22.37	84	17.525	440	28.31	260	28.812	306	59.58	215	59.21	55	9.20	252
16	60.186	403	23.21	128	17.965	473	25.71	214	29.118	323	57.43	217	59.76	60	6.68	202
26	60.589	406	24.49	168	18.438	491	23.57	160	29.441	328	55.26	211	60.36	62	4.66	143
36	60.995		26.17		18.929		21.97		29.769		53.15		60.98		3.23	
Mittl. Ort	56.302		12.50		15.828		65.13		25.742		81.58		58.44		47.68	
sec δ, tg δ	1.302		−0.834		1.802		+1.500		1.002		+0.065		2.438		+2.223	
a, a'	+3.3		−19.6		+2.6		−19.5		+3.1		−19.5		+2.4		−19.5	
b, b'	+0.05		+ 0.22		−0.10		+ 0.22		0.00		+ 0.23		−0.14		+ 0.23	

Tag	485) 12 Can. ven. sq. AR.	Diff.	Dekl.	Diff.	488) ε Virginis AR.	Diff.	Dekl.	Diff.	490) ϑ Virginis AR.	Diff.	Dekl.	Diff.	492) 43 Comae[1]) AR.	Diff.	Dekl.	Diff.
1937	12h 53m		+38° 38′		12h 59m		+11° 17′		13h 6m		−5° 12′		13h 8m		+28° 11′	
Jan. 1	5.862	385	69.16	164	3.361	333	38.58	203	42.078	333	17.45	206	56.882	354	32.10	188
11	6.247	376	67.52	115	3.694	324	36.55	179	42.411	325	19.51	201	57.236	347	30.22	147
21	6.623	355	66.37	62	4.018	306	34.76	148	42.736	306	21.52	189	57.583	329	28.75	102
31	6.978	324	65.75	9	4.324	278	33.28	116	43.042	280	23.41	171	57.912	303	27.73	54
Febr. 10	7.302	283	65.66	44	4.602	245	32.12	80	43.322	249	25.12	149	58.215	269	27.19	6
20	7.585	237	66.10	92	4.847	208	31.32	43	43.571	214	26.61	125	58.484	229	27.13	39
März 2	7.822	187	67.02	135	5.055	169	30.89	9	43.785	176	27.86	99	58.713	186	27.52	82
12	8.009	137	68.37	169	5.224	129	30.80	22	43.961	139	28.85	73	58.899	143	28.34	118
22	8.146	85	70.06	197	5.353	92	31.02	50	44.100	104	29.58	49	59.042	99	29.52	148
Apr. 1	8.231	39	72.03	213	5.445	56	31.52	72	44.204	70	30.07	26	59.141	58	31.00	169
	5				6				8				9			
10	8.270	6	74.16	222	5.501	24	32.24	90	44.274	39	30.33	6	59.199	21	32.69	183
20	8.264	44	76.38	220	5.525	4	33.14	101	44.313	12	30.39	12	59.220	13	34.52	188
30	8.220	77	78.58	210	5.521	29	34.15	108	44.325	13	30.27	27	59.207	44	36.40	186
Mai 10	8.143	106	80.68	194	5.492	51	35.23	110	44.312	34	30.00	38	59.163	69	38.26	178
20	8.037	128	82.62	171	5.441	68	36.33	107	44.278	54	29.62	47	59.094	91	40.04	163
30	7.909	147	84.33	142	5.373	84	37.40	101	44.224	70	29.15	55	59.003	109	41.67	143
Juni 9	7.762	160	85.75	110	5.289	96	38.41	92	44.154	84	28.60	60	58.894	124	43.10	120
19	7.602	169	86.85	74	5.193	106	39.33	80	44.070	96	28.00	64	58.770	135	44.30	92
29	7.433	173	87.59	38	5.087	113	40.13	66	43.974	105	27.36	66	58.635	142	45.22	63
Juli 9	7.260	173	87.97	1	4.974	115	40.79	50	43.869	110	26.70	65	58.493	146	45.85	33
19	7.087	168	87.96	38	4.859	116	41.29	34	43.759	113	26.05	64	58.347	145	46.18	1
29	6.919	159	87.58	77	4.743	111	41.63	15	43.646	111	25.41	60	58.202	141	46.19	31
Aug. 8	6.760	144	86.81	114	4.632	103	41.78	5	43.535	103	24.81	54	58.061	130	45.88	64
18	6.616	123	85.67	149	4.529	89	41.73	26	43.432	90	24.27	46	57.931	116	45.24	95
28	6.493	98	84.18	183	4.440	69	41.47	48	43.342	72	23.81	33	57.815	95	44.29	126
Sept. 7	6.395	65	82.35	214	4.371	43	40.99	72	43.270	46	23.48	19	57.720	67	43.03	157
17	6.330	27	80.21	242	4.328	12	40.27	96	43.224	15	23.29	0	57.653	34	41.46	184
27	6.303	16	77.79	266	4.316	24	39.31	120	43.209	22	23.29	20	57.619	5	39.62	211
Okt. 7	6.319	65	75.13	286	4.340	66	38.11	145	43.231	64	23.49	45	57.624	49	37.51	235
17	6.384	117	72.27	301	4.406	110	36.66	169	43.295	108	23.94	71	57.673	96	35.16	253
27	6.501	169	69.26	308	4.516	155	34.97	190	43.403	155	24.65	98	57.769	146	32.63	269
Nov. 6	6.670	221	66.18	310	4.671	199	33.07	208	43.558	199	25.63	124	57.915	194	29.94	278
16	6.891	270	63.08	303	4.870	241	30.99	222	43.757	242	26.87	150	58.109	240	27.16	280
26	7.161	313	60.05	288	5.111	276	28.77	230	43.999	276	28.37	171	58.349	280	24.36	274
Dez. 6	7.474	347	57.17	264	5.387	304	26.47	231	44.275	304	30.08	189	58.629	313	21.62	260
16	7.821	370	54.53	231	5.691	323	24.16	226	44.579	323	31.97	200	58.942	336	19.02	239
26	8.191	382	52.22	191	6.014	330	21.90	213	44.902	331	33.97	205	59.278	349	16.63	208
36	8.573		50.31		6.344		19.77		45.233		36.02		59.627		14.55	
Mittl. Ort	5.054		89.56		2.447		50.44		41.142		11.49		56.121		49.30	
sec δ, tg δ	1.281		+0.800		1.020		+0.200		1.004		−0.091		1.135		+0.536	
a, *a′*	+2.8		−19.5		+3.0		−19.4		+3.1		−19.2		+2.9		−19.1	
b, *b′*	−0.05		+0.23		−0.01		+0.25		+0.01		+0.29		−0.03		+0.30	

[1]) Die jährliche Parallaxe (0.″133) ist bereits berücksichtigt.

Scheinbare Sternörter 1937

Tag		495) γ Hydrae				496) ι Centauri				497) ζ Ursae maj. pr.				498) α Virginis			
		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1937		13h 15m		−22° 50′		13h 17m		−36° 22′		13h 21m		+55° 14′		13h 21m		−10° 49′	
		s		″		s		″		s		″		s		″	
Jan.	1	30.475	356	23.05	191	3.792	395	45.57	171	23.845	477	50.60	163	53.123	338	62.85	199
	11	30.831	348	24.96	205	4.187	385	47.28	199	24.322	479	48.97	103	53.461	332	64.84	200
	21	31.179	330	27.01	212	4.572	366	49.27	221	24.801	463	47.94	41	53.793	315	66.84	195
	31	31.509	303	29.13	213	4.938	336	51.48	236	25.264	433	47.53	23	54.108	292	68.79	183
Febr.	10	31.812	271	31.26	209	5.274	301	53.84	243	25.697	390	47.76	83	54.400	262	70.62	167
	20	32.083	235	33.35	199	5.575	261	56.27	246	26.087	335	48.59	140	54.662	228	72.29	148
März	2	32.318	197	35.34	185	5.836	220	58.73	242	26.422	274	49.99	188	54.890	193	73.77	125
	12	32.515	159	37.19	169	6.056	178	61.15	234	26.696	207	51.87	228	55.083	156	75.02	103
	22	32.674	122	38.88	150	6.234	137	63.49	222	26.903	139	54.15	257	55.239	121	76.05	80
Apr.	1	32.796	87	40.38	131	6.371	97	65.71	206	27.042	72	56.72	276	55.360	88	76.85	57
	11	[11] 32.883	54	41.69	110	[11] 6.468	60	67.77	188	[12] 27.114	8	59.48	283	[12] 55.448	57	77.42	38
	20	32.937	25	42.79	91	6.528	26	69.65	167	27.122	53	62.31	280	55.505	28	77.80	19
	30	32.962	2	43.70	70	6.554	7	71.32	143	27.069	106	65.11	266	55.533	3	77.99	3
Mai	10	32.960	28	44.40	49	6.547	36	72.75	119	26.963	153	67.77	244	55.536	21	78.02	11
	20	32.932	50	44.89	30	6.511	64	73.94	92	26.810	193	70.21	214	55.515	42	77.91	25
	30	32.882	70	45.19	10	6.447	88	74.86	65	26.617	227	72.35	177	55.473	62	77.66	35
Juni	9	32.812	88	45.29	9	6.359	110	75.51	35	26.390	252	74.12	135	55.411	78	77.31	45
	19	32.724	103	45.20	29	6.249	130	75.86	6	26.138	271	75.47	91	55.333	93	76.86	53
	29	32.621	116	44.91	46	6.119	144	75.92	24	25.867	283	76.38	44	55.240	104	76.33	59
Juli	9	32.505	125	44.45	64	5.975	154	75.68	53	25.584	287	76.82	5	55.136	113	75.74	65
	19	32.380	128	43.81	78	5.821	160	75.15	80	25.297	285	76.77	53	55.023	119	75.09	68
	29	32.252	128	43.03	92	5.661	158	74.35	107	25.012	276	76.24	101	54.904	118	74.41	70
Aug.	8	32.124	121	42.11	102	5.503	150	73.28	128	24.736	258	75.23	146	54.786	113	73.71	69
	18	32.003	108	41.09	108	5.353	135	72.00	147	24.478	233	73.77	189	54.673	103	73.02	65
	28	31.895	88	40.01	110	5.218	109	70.53	159	24.245	201	71.88	229	54.570	84	72.37	58
Sept.	7	31.807	59	38.91	107	5.109	77	68.94	165	24.044	160	69.59	265	54.486	61	71.79	47
	17	31.748	26	37.84	98	5.032	37	67.29	165	23.884	111	66.94	296	54.425	29	71.32	33
	27	31.722	16	36.86	84	4.995	11	65.64	156	23.773	55	63.98	322	54.396	8	70.99	14
Okt.	7	31.738	61	36.02	64	5.006	64	64.08	140	23.718	7	60.76	342	54.404	50	70.85	8
	17	31.799	111	35.38	38	5.070	121	62.68	117	23.725	76	57.34	355	54.454	97	70.93	34
	27	31.910	161	35.00	9	5.191	178	61.51	88	23.801	145	53.79	360	54.551	144	71.27	61
Nov.	6	32.071	210	34.91	25	5.369	233	60.63	51	23.946	216	50.19	356	54.695	190	71.88	89
	16	32.281	255	35.16	58	5.602	284	60.12	12	24.162	284	46.63	343	54.885	234	72.77	118
	26	32.536	294	35.74	93	5.886	327	60.00	30	24.446	345	43.20	320	55.119	272	73.95	142
Dez.	6	32.830	324	36.67	125	6.213	359	60.30	72	24.791	400	40.00	287	55.391	303	75.37	165
	16	33.154	344	37.92	153	6.572	382	61.02	112	25.191	439	37.13	246	55.694	323	77.02	183
	26	33.498	353	39.45	177	6.954	392	62.14	149	25.630	467	34.67	195	56.017	333	78.85	193
	36	33.851		41.22		7.346		63.63		26.097		32.72		56.350		80.78	
Mittl. Ort		29.527		23.32		2.810		50.16		23.576		74.02		52.252		59.08	
sec δ, tg δ		1.085		−0.421		1.242		−0.737		1.755		+1.442		1.018		−0.191	
a, *a′*		+3.3		−19.0		+3.4		−18.9		+2.4		−18.8		+3.2		−18.8	
b, *b′*		+0.03		+ 0.32		+0.05		+ 0.33		−0.09		+ 0.35		+0.01		+ 0.35	

Tag	499) Grb 2001 AR.		499) Dekl.		500) 69 H. Urs. maj. AR.		500) Dekl.		501) ζ Virginis AR.		501) Dekl.		502) 17 H. Can. ven. AR.		502) Dekl.	
1937	13h 24m		+72° 42′		13h 26m		+60° 15′		13h 31m		−0° 16′		13h 31m		+37° 29′	
Jan. 1	30.84 s	81	40.15 "	132	8.60 s	53	50.62 "	159	29.641 s	330	35.52 "	204	59.600 s	375	57.30 "	198
11	31.65	82	38.83	66	9.13	54	49.03	97	29.971	326	37.56	194	59.975	375	55.32	150
21	32.47	80	38.17	1	9.67	52	48.06	33	30.297	312	39.50	177	60.350	363	53.82	98
31	33.27	76	38.18	68	10.19	48	47.73	33	30.609	291	41.27	155	60.713	341	52.84	42
Febr. 10	34.03	68	38.86	130	10.67	44	48.06	94	30.900	263	42.82	128	61.054	308	52.42	12
20	34.71	59	40.16	187	11.11	38	49.00	152	31.163	231	44.10	100	61.362	270	52.54	65
März 2	35.30	47	42.03	234	11.49	31	50.52	202	31.394	196	45.10	71	61.632	226	53.19	112
12	35.77	35	44.37	272	11.80	24	52.54	241	31.590	161	45.81	43	61.858	179	54.31	153
22	36.12	22	47.09	298	12.04	16	54.95	271	31.751	126	46.24	16	62.037	133	55.84	187
Apr. 1	36.34	8	50.07	312	12.20	8	57.66	290	31.877	93	46.40	8	62.170	86	57.71	211
11	36.42	5	53.19	313	12.28	0	60.56	296	31.970	61	46.32	28	62.256	43	59.82	226
20	[13] 36.37	17	56.32	304	[13] 12.28	6	63.52	292	[15] 32.031	34	46.04	44	[15] 62.299	2	62.08	231
30	36.20	28	59.36	283	12.22	13	66.44	279	32.065	6	45.60	57	62.301	35	64.39	229
Mai 10	35.92	39	62.19	252	12.09	19	69.23	250	32.071	17	45.03	66	62.266	67	66.68	217
20	35.53	46	64.71	216	11.90	23	71.73	220	32.054	38	44.37	72	62.199	96	68.85	198
30	35.07	54	66.87	171	11.67	28	73.93	182	32.016	58	43.65	75	62.103	120	70.83	174
Juni 9	34.53	59	68.58	122	11.39	31	75.75	139	31.958	76	42.90	76	61.983	141	72.57	144
19	33.94	62	69.80	71	11.08	32	77.14	91	31.882	91	42.14	74	61.842	158	74.01	111
29	33.32	65	70.51	17	10.76	35	78.05	42	31.791	103	41.40	70	61.684	170	75.12	75
Juli 9	32.67	65	70.68	37	10.41	35	78.47	9	31.688	112	40.70	64	61.514	177	75.87	36
19	32.02	64	70.31	90	10.06	34	78.38	59	31.576	118	40.06	58	61.337	181	76.23	2
29	31.38	61	69.41	142	9.72	34	77.79	108	31.458	120	39.48	49	61.156	178	76.21	41
Aug. 8	30.77	58	67.99	189	9.38	31	76.71	156	31.338	116	38.99	39	60.978	171	75.80	81
18	30.19	52	66.10	235	9.07	29	75.15	200	31.222	107	38.60	26	60.807	157	74.99	119
28	29.67	45	63.75	274	8.78	25	73.15	240	31.115	92	38.34	11	60.650	137	73.80	155
Sept. 7	29.22	38	61.01	309	8.53	20	70.75	278	31.023	68	38.23	6	60.513	108	72.25	190
17	28.84	28	57.92	338	8.33	15	67.97	308	30.955	40	38.29	26	60.405	74	70.35	222
27	28.56	17	54.54	361	8.18	8	64.89	335	30.915	4	38.55	48	60.331	34	68.13	250
Okt. 7	28.39	6	50.93	375	8.10	2	61.54	353	30.911	37	39.03	72	60.297	14	65.63	276
17	28.33	6	47.18	382	8.08	7	58.01	366	30.948	81	39.75	96	60.311	65	62.87	295
27	28.39	18	43.36	381	8.15	14	54.35	369	31.029	127	40.71	121	60.376	119	59.92	310
Nov. 6	28.57	31	39.55	369	8.29	22	50.66	364	31.156	175	41.92	146	60.495	173	56.82	316
16	28.88	44	35.86	348	8.51	30	47.02	349	31.331	218	43.38	167	60.668	227	53.66	315
26	29.32	54	32.38	316	8.81	37	43.53	324	31.549	257	45.05	186	60.895	274	50.51	305
Dez. 6	29.86	65	29.22	276	9.18	43	40.29	290	31.806	288	46.91	198	61.169	315	47.46	288
16	30.51	73	26.46	226	9.61	49	37.39	245	32.094	311	48.89	206	61.484	346	44.58	259
26	31.24	79	24.20	169	10.10	51	34.94	193	32.405	324	50.95	206	61.830	366	41.99	222
36	32.03		22.51		10.61		33.01		32.729		53.01		62.196		39.77	
Mittl. Ort	31.52		65.73		8.55		74.71		28.869		28.22		59.124		76.47	
sec δ, tg δ	3.366		+ 3.214		2.017		+ 1.751		1.000		−0.005		1.261		+0.767	
a, a′	+1.5		−18.7		+2.2		−18.6		+3.1		−18.5		+2.7		−18.5	
b, b′	−0.20		+ 0.36		−0.11		+ 0.37		0.00		+ 0.39		−0.05		+ 0.39	

Scheinbare Sternörter 1937

Tag	504) ε Centauri AR.		504) ε Centauri Dekl.		507) τ Bootis AR.		507) τ Bootis Dekl.		509) η Ursae maj. AR.		509) η Ursae maj. Dekl.		510) 89 Virginis AR.		510) 89 Virginis Dekl.	
1937	$13^h\ 35^m$		$-53°\ 8'$		$13^h\ 44^m$		$+17°\ 45'$		$13^h\ 45^m$		$+49°\ 36'$		$13^h\ 46^m$		$-17°\ 49'$	
Jan. 1	53.772	501	40.07	115	16.676	333	58.81	214	3.798	424	75.86	196	27.422	345	16.83	179
11	54.273	495	41.22	159	17.009	332	56.67	182	4.222	432	73.90	140	27.767	344	18.62	188
21	54.768	475	42.81	197	17.341	322	54.85	148	4.654	423	72.50	80	28.111	331	20.50	192
31	55.243	444	44.78	229	17.663	304	53.37	108	5.077	402	71.70	18	28.442	311	22.42	187
Febr. 10	55.687	404	47.07	254	17.967	277	52.29	66	5.479	369	71.52	42	28.753	284	24.29	180
20	56.091	359	49.61	272	18.244	245	51.63	23	5.848	325	71.94	101	29.037	254	26.09	167
März 2	56.450	308	52.33	283	18.489	211	51.40	16	6.173	276	72.95	153	29.291	220	27.76	151
12	56.758	256	55.16	288	18.700	173	51.56	55	6.449	220	74.48	197	29.511	185	29.27	133
22	57.014	203	58.04	287	18.873	136	52.11	87	6.669	163	76.45	232	29.696	151	30.60	113
Apr. 1	57.217	152	60.91	280	19.009	100	52.98	113	6.832	106	78.77	258	29.847	117	31.73	95
11	16 57.369	101	63.71	268	18 19.109	66	54.11	133	18 6.938	50	81.35	271	18 29.964	86	32.68	76
20	57.470	52	66.39	252	19.175	34	55.44	147	6.988	3	84.06	276	30.050	56	33.44	58
30	57.522	5	68.91	230	19.209	5	56.91	153	6.985	52	86.82	269	30.106	28	34.02	41
Mai 10	57.527	40	71.21	205	19.214	22	58.44	154	6.933	95	89.51	253	30.134	1	34.43	24
20	57.487	82	73.26	176	19.192	47	59.98	148	6.838	134	92.04	229	30.135	23	34.67	9
30	57.405	121	75.02	142	19.145	68	61.46	139	6.704	168	94.33	199	30.112	46	34.76	5
Juni 9	57.284	157	76.44	107	19.077	87	62.85	124	6.536	196	96.32	162	30.066	68	34.71	19
19	57.127	188	77.51	68	18.990	104	64.09	107	6.340	218	97.94	122	29.998	87	34.52	32
29	56.939	214	78.19	28	18.886	118	65.16	87	6.122	235	99.16	79	29.911	104	34.20	44
Juli 9	56.725	233	78.47	13	18.768	129	66.03	64	5.887	245	99.95	33	29.807	117	33.76	55
19	56.492	244	78.34	55	18.639	135	66.67	40	5.642	251	100.28	14	29.690	127	33.21	65
29	56.248	245	77.79	94	18.504	138	67.07	15	5.391	248	100.14	59	29.563	131	32.56	73
Aug. 8	56.003	237	76.85	130	18.366	135	67.22	11	5.143	240	99.55	106	29.432	130	31.83	79
18	55.766	217	75.55	165	18.231	127	67.11	39	4.903	223	98.49	149	29.302	122	31.04	82
28	55.549	186	73.90	191	18.104	112	66.72	65	4.680	199	97.00	190	29.180	107	30.22	81
Sept. 7	55.363	143	71.99	212	17.992	90	66.07	94	4.481	168	95.10	228	29.073	83	29.41	77
17	55.220	89	69.87	225	17.902	62	65.13	121	4.313	126	92.82	264	28.990	54	28.64	69
27	55.131	26	67.62	229	17.840	26	63.92	148	4.187	79	90.18	293	28.936	16	27.95	54
Okt. 7	55.105	44	65.33	223	17.814	14	62.44	175	4.108	24	87.25	319	28.920	27	27.41	37
17	55.149	119	63.10	208	17.828	59	60.69	199	4.084	36	84.06	336	28.947	75	27.04	14
27	55.268	196	61.02	182	17.887	107	58.70	219	4.120	100	80.70	349	29.022	125	26.90	12
Nov. 6	55.464	270	59.20	150	17.994	155	56.51	238	4.220	166	77.21	351	29.147	175	27.02	40
16	55.734	338	57.70	109	18.149	202	54.13	249	4.386	229	73.70	345	29.322	223	27.42	70
26	56.072	397	56.61	64	18.351	244	51.64	255	4.615	289	70.25	331	29.545	263	28.12	100
Dez. 6	56.469	444	55.97	14	18.595	280	49.09	253	4.904	341	66.94	304	29.808	299	29.12	126
16	56.913	476	55.83	35	18.875	307	46.56	244	5.245	381	63.90	270	30.107	323	30.38	150
26	57.389	494	56.18	85	19.182	324	44.12	226	5.626	412	61.20	226	30.430	338	31.88	169
36	57.883		57.03		19.506		41.86		6.038		58.94		30.768		33.57	
Mittl. Ort	52.877		49.17		16.092		71.88		3.665		97.39		26.660		15.76	
sec δ, tg δ	1.667		−1.334		1.050		+0.320		1.544		+1.176		1.050		−0.321	
a, a'	+3.8		−18.3		+2.9		−18.0		+2.4		−18.0		+3.3		−17.9	
b, b'	+0.08		+ 0.41		−0.02		+ 0.44		−0.07		+ 0.44		+0.02		+ 0.45	

Tag	512) ζ Centauri				513) η Bootis				517) 11 Bootis				516) τ Virginis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1937	$13^h\ 51^m$		−46° 58′		$13^h\ 51^m$		+18° 42′		$13^h\ 58^m$		+27° 40′		$13^h\ 58^m$		+1° 50′	
Jan. 1	36.605	452	37.67	111	41.633	332	32.83	217	19.539	343	68.62	220	26.927	325	47.18	204
11	37.057	450	38.78	149	41.965	334	30.66	186	19.882	346	66.42	181	27.252	327	45.14	191
21	37.507	435	40.27	183	42.299	325	28.80	150	20.228	340	64.61	137	27.579	318	43.23	173
31	37.942	411	42.10	211	42.624	308	27.30	110	20.568	324	63.24	89	27.897	301	41.50	148
Febr. 10	38.353	378	44.21	231	42.932	283	26.20	66	20.892	299	62.35	39	28.198	278	40.02	121
20	38.731	340	46.52	245	43.215	251	25.54	23	21.191	268	61.96	11	28.476	249	38.81	91
März 2	39.071	297	48.97	254	43.466	218	25.31	19	21.459	232	62.07	58	28.725	218	37.90	59
12	39.368	252	51.51	258	43.684	181	25.50	57	21.691	194	62.65	100	28.943	185	37.31	29
22	39.620	207	54.09	254	43.865	145	26.07	90	21.885	154	63.65	137	29.128	152	37.02	1
Apr. 1	39.827	163	56.63	248	44.010	108	26.97	118	22.039	115	65.02	165	29.280	119	37.01	24
11	39.990	118	59.11	236	44.118	74	28.15	138	22.154	77	66.67	185	29.399	88	37.25	45
20*)	[20]40.108	76	61.47	221	[20]44.192	41	29.53	153	[21]22.231	42	68.52	199	[21]29.487	59	37.70	62
30	40.184	34	63.68	203	44.233	12	31.06	159	22.273	8	70.51	202	29.546	31	38.32	74
Mai 10	40.218	6	65.71	180	44.245	16	32.65	159	22.281	23	72.53	200	29.577	5	39.06	83
20	40.212	44	67.51	154	44.229	41	34.24	155	22.258	51	74.53	189	29.582	20	39.89	87
30	40.168	81	69.05	126	44.188	64	35.79	144	22.207	76	76.42	174	29.562	41	40.76	89
Juni 9	40.087	114	70.31	95	44.124	85	37.23	129	22.131	99	78.16	152	29.521	63	41.65	86
19	39.973	144	71.26	61	44.039	102	38.52	111	22.032	119	79.68	128	29.458	81	42.51	83
29	39.829	170	71.87	26	43.937	118	39.63	90	21.913	135	80.96	99	29.377	98	43.34	77
Juli 9	39.659	190	72.13	9	43.819	129	40.53	67	21.778	148	81.95	68	29.279	112	44.11	68
19	39.469	205	72.04	46	43.690	137	41.20	42	21.630	157	82.63	37	29.167	122	44.79	59
29	39.264	210	71.58	80	43.553	141	41.62	15	21.473	160	83.00	2	29.045	127	45.38	48
Aug. 8	39.054	208	70.78	113	43.412	139	41.77	11	21.313	159	83.02	31	28.918	128	45.86	34
18	38.846	195	69.65	143	43.273	132	41.66	40	21.154	152	82.71	66	28.790	122	46.20	21
28	38.651	171	68.22	167	43.141	118	41.26	68	21.002	137	82.05	100	28.668	110	46.41	4
Sept. 7	38.480	137	66.55	185	43.023	97	40.58	96	20.865	116	81.05	133	28.558	90	46.45	15
17	38.343	93	64.70	197	42.926	68	39.62	125	20.749	87	79.72	164	28.468	64	46.30	34
27	38.250	38	62.73	200	42.858	35	38.37	152	20.662	51	78.08	195	28.404	31	45.96	57
Okt. 7	38.212	20	60.73	195	42.823	6	36.85	179	20.611	9	76.13	223	28.373	9	45.39	80
17	38.232	88	58.78	181	42.829	51	35.06	204	20.602	38	73.90	247	28.382	54	44.59	105
27	38.320	157	56.97	159	42.880	100	33.02	225	20.640	88	71.43	267	28.436	101	43.54	129
Nov. 6	38.477	225	55.38	128	42.980	149	30.77	242	20.728	140	68.76	281	28.537	148	42.25	152
16	38.702	288	54.10	91	43.129	196	28.35	254	20.868	191	65.95	289	28.685	195	40.73	173
26	38.990	344	53.19	50	43.325	238	25.81	260	21.059	237	63.06	289	28.880	236	39.00	189
Dez. 6	39.334	389	52.69	5	43.563	276	23.21	258	21.296	277	60.17	281	29.116	272	37.11	202
16	39.723	422	52.64	40	43.839	305	20.63	248	21.573	310	57.36	264	29.388	299	35.09	207
26	40.145	442	53.04	83	44.144	323	18.15	230	21.883	331	54.72	239	29.687	316	33.02	206
36	40.587		53.87		44.467		15.85		22.214		52.33		30.003		30.96	
Mittl. Ort	35.819		45.29		41.104		45.98		19.147		84.24		26.319		54.68	
sec δ, tg δ	1.466		−1.072		1.056		+0.339		1.129		+0.525		1.000		+0.032	
a, a'	+3.7		−17.7		+2.9		−17.7		+2.7		−17.4		+3.1		−17.4	
b, b'	+0.06		+0.47		−0.02		+0.47		−0.03		+0.49		0.00		+0.49	

*) Bei Stern 517) und 516) lies April 21.

Scheinbare Sternörter 1937

Tag	518) β Centauri AR.	Diff.	518) β Centauri Dekl.	Diff.	521) α Draconis AR.	Diff.	521) α Draconis Dekl.	Diff.	520) ϑ Centauri AR.	Diff.	520) ϑ Centauri Dekl.	Diff.	522) d Bootis AR.	Diff.	522) d Bootis Dekl.	Diff.
1937	$13^h\ 59^m$		$-60°\ 4'$		$14^h\ 2^m$		$+64°\ 39'$		$14^h\ 2^m$		$-36°\ 3'$		$14^h\ 7^m$		$+25°\ 22'$	
Jan. 1	$22^s.25$	58	$2''.53$	67	$40^s.20$	57	$72''.28$	193	$58^s.676$	392	$35''.04$	128	$31^s.951$	336	$66''.70$	223
11	22.83	58	3.20	115	40.77	59	70.35	132	59.068	393	36.32	157	32.287	341	64.47	188
21	23.41	57	4.35	159	41.36	59	69.03	66	59.461	382	37.89	179	32.628	337	62.59	146
31	23.98	55	5.94	198	41.95	57	68.37	1	59.843	363	39.68	196	32.965	321	61.13	100
Febr. 10	24.53	50	7.92	231	42.52	54	68.38	67	60.206	336	41.64	208	33.286	300	60.13	51
20	25.03	45	10.23	257	43.06	47	69.05	129	60.542	304	43.72	213	33.586	270	59.62	2
März 2	25.48	40	12.80	277	43.53	42	70.34	184	60.846	268	45.85	214	33.856	237	59.60	44
12	25.88	35	15.57	290	43.95	33	72.18	232	61.114	231	47.99	209	34.093	199	60.04	87
22	26.23	28	18.47	296	44.28	25	74.50	269	61.345	193	50.08	202	34.292	163	60.91	123
Apr. 1	26.51	22	21.43	297	44.53	16	77.19	294	61.538	156	52.10	192	34.455	124	62.14	153
11	26.73	16	24.40	291	44.69	7	80.13	309	61.694	118	54.02	178	34.579	88	63.67	176
21	^{22}26.89	11	27.31	281	^{23}44.76	1	83.22	310	^{23}61.812	84	55.80	163	^{24}34.667	53	65.43	189
30	27.00	4	30.12	264	44.75	10	86.32	302	61.896	48	57.43	146	34.720	20	67.32	196
Mai 10	27.04	2	32.76	242	44.65	17	89.34	283	61.944	15	58.89	126	34.740	10	69.28	194
20	27.02	7	35.18	216	44.48	24	92.17	256	61.959	17	60.15	105	34.730	39	71.22	187
30	26.95	13	37.34	185	44.24	29	94.73	219	61.942	48	61.20	83	34.691	65	73.09	173
Juni 9	26.82	18	39.19	149	43.95	34	96.92	179	61.894	77	62.03	58	34.626	89	74.82	154
19	26.64	22	40.68	111	43.61	38	98.71	132	61.817	103	62.61	34	34.537	110	76.36	131
29	26.42	26	41.79	69	43.23	42	100.03	83	61.714	128	62.95	7	34.427	127	77.67	105
Juli 9	26.16	28	42.48	25	42.81	43	100.86	32	61.586	147	63.02	20	34.300	142	78.72	76
19	25.88	31	42.73	21	42.38	44	101.18	21	61.439	161	62.82	46	34.158	152	79.48	45
29	25.57	32	42.52	64	41.94	44	100.97	73	61.278	170	62.36	72	34.006	158	79.93	13
Aug. 8	25.25	31	41.88	108	41.50	42	100.24	123	61.108	170	61.64	94	33.848	158	80.06	19
18	24.94	30	40.80	148	41.08	40	99.01	171	60.938	163	60.70	116	33.690	153	79.87	53
28	24.64	26	39.32	184	40.68	37	97.30	216	60.775	147	59.54	131	33.537	139	79.34	85
Sept. 7	24.38	22	37.48	212	40.31	32	95.14	258	60.628	120	58.23	143	33.398	120	78.49	119
17	24.16	15	35.36	233	39.99	26	92.56	294	60.508	86	56.80	149	33.278	93	77.30	150
27	24.01	8	33.03	247	39.73	20	89.62	325	60.422	41	55.31	147	33.185	58	75.80	180
Okt. 7	23.93	0	30.56	249	39.53	12	86.37	350	60.381	9	53.84	139	33.127	17	74.00	209
17	23.93	9	28.07	241	39.41	3	82.87	368	60.390	65	52.45	123	33.110	30	71.91	234
27	24.02	18	25.66	224	39.38	6	79.19	376	60.455	125	51.22	101	33.140	78	69.57	255
Nov. 6	24.20	27	23.42	196	39.44	15	75.43	377	60.580	183	50.21	72	33.218	131	67.02	271
16	24.47	36	21.46	161	39.59	25	71.66	367	60.763	240	49.49	39	33.349	180	64.31	281
26	24.83	43	19.85	117	39.84	34	67.99	348	61.003	289	49.10	4	33.529	227	61.50	283
Dez. 6	25.26	49	18.68	70	40.18	42	64.51	317	61.292	331	49.06	35	33.756	268	58.67	279
16	25.75	54	17.98	18	40.60	49	61.34	276	61.623	362	49.41	72	34.024	301	55.88	263
26	26.29	57	17.80	33	41.09	54	58.58	227	61.985	382	50.13	106	34.325	324	53.25	241
36	26.86		18.13		41.63		56.31		62.367		51.19		34.649		50.84	
Mittl. Ort	21.55		13.02		40.95		95.45		57.963		39.76		31.596		81.35	
sec δ, tg δ	2.004		−1.737		2.338		+2.113		1.237		−0.728		1.107		+0.475	
a, a'	+4.2		−17.4		+1.6		−17.2		+3.6		−17.2		+2.7		−17.0	
b, b'	+0.10		+ 0.50		−0.12		+ 0.51		+0.04		+ 0.51		−0.03		+ 0.53	

Tag		524) 4 Ursae min.				523) κ Virginis				525) ι Virginis				526) α Bootis			
		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1937		14h 8m		+77° 49′		14h 9m		−9° 58′		14h 12m		−5° 42′		14h 12m		+19° 30′	
Jan.	1	60.74	102	72.96	176	32.514	331	56.33	182	43.024	326	7.56	190	47.614	324	21.79	228
	11	61.76	108	71.20	113	32.845	333	58.15	182	43.350	329	9.46	186	47.938	331	19.51	198
	21	62.84	110	70.07	47	33.178	326	59.97	177	43.679	322	11.32	177	48.269	326	17.53	161
	31	63.94	107	69.60	22	33.504	311	61.74	166	44.001	309	13.09	161	48.595	312	15.92	121
Febr.	10	65.01	102	69.82	88	33.815	288	63.40	151	44.310	287	14.70	140	48.907	291	14.71	76
	20	66.03	92	70.70	150	34.103	262	64.91	130	44.597	260	16.10	118	49.198	264	13.95	31
März	2	66.95	79	72.20	206	34.365	231	66.21	110	44.857	231	17.28	92	49.462	232	13.64	12
	12	67.74	63	74.26	250	34.596	200	67.31	86	45.088	200	18.20	66	49.694	198	13.76	53
	22	68.37	47	76.76	286	34.796	168	68.17	64	45.288	168	18.86	41	49.892	163	14.29	88
Apr.	1	68.84	28	79.62	309	34.964	135	68.81	43	45.456	136	19.27	19	50.055	128	15.17	118
	11	69.12	10	82.71	320	35.099	106	69.24	23	45.592	106	19.46	1	50.183	93	16.35	141
	21	69.22	9	85.91	320	[24] 35.205	75	69.47	6	[25] 45.698	76	19.45	19	[25] 50.276	60	17.76	156
	30	[24] 69.13	27	89.11	308	35.280	49	69.53	9	45.774	49	19.26	34	50.336	29	19.32	166
Mai	10	68.86	42	92.19	286	35.329	20	69.44	22	45.823	22	18.92	44	50.365	0	20.98	167
	20	68.44	58	95.05	255	35.349	4	69.22	31	45.845	4	18.48	52	50.365	28	22.65	162
	30	67.86	69	97.60	216	35.345	30	68.91	41	45.841	28	17.96	59	50.337	53	24.27	153
Juni	9	67.17	80	99.76	171	35.315	52	68.50	47	45.813	51	17.37	62	50.284	77	25.80	138
	19	66.37	89	101.47	122	35.263	74	68.03	52	45.762	73	16.75	63	50.207	97	27.18	120
	29	65.48	95	102.69	70	35.189	92	67.51	56	45.689	92	16.12	64	50.110	116	28.38	99
Juli	9	64.53	98	103.39	17	35.097	110	66.95	59	45.597	107	15.48	62	49.994	132	29.37	74
	19	63.55	100	103.56	38	34.987	121	66.36	61	45.490	121	14.86	60	49.862	143	30.11	48
	29	62.55	99	103.18	91	34.866	131	65.75	61	45.369	130	14.26	56	49.719	149	30.59	21
Aug.	8	61.56	96	102.27	142	34.735	132	65.14	59	45.239	132	13.70	49	49.570	152	30.80	7
	18	60.60	91	100.85	190	34.603	128	64.55	55	45.107	129	13.21	42	49.418	147	30.73	37
	28	59.69	84	98.95	236	34.475	117	64.00	49	44.978	118	12.79	32	49.271	136	30.36	66
Sept.	7	58.85	73	96.59	276	34.358	99	63.51	40	44.860	100	12.47	19	49.135	118	29.70	96
	17	58.12	63	93.83	310	34.259	72	63.11	27	44.760	75	12.28	5	49.017	92	28.74	125
	27	57.49	49	90.73	340	34.187	37	62.84	11	44.685	41	12.23	14	48.925	58	27.49	155
Okt.	7	57.00	34	87.33	362	34.150	2	62.73	8	44.644	2	12.37	35	48.867	19	25.94	181
	17	56.66	18	83.71	376	34.152	48	62.81	30	44.642	42	12.72	57	48.848	26	24.13	208
	27	56.48	0	79.95	382	34.200	97	63.11	54	44.684	91	13.29	81	48.874	74	22.05	230
Nov.	6	56.48	18	76.13	379	34.297	145	63.65	79	44.775	140	14.10	106	48.948	124	19.75	249
	16	56.66	37	72.34	366	34.442	194	64.44	105	44.915	187	15.16	129	49.072	173	17.26	262
	26	57.03	54	68.68	342	34.636	237	65.49	128	45.102	230	16.45	151	49.245	219	14.64	268
Dez.	6	57.57	71	65.26	308	34.873	274	66.77	149	45.332	267	17.96	168	49.464	259	11.96	268
	16	58.28	85	62.18	264	35.147	302	68.26	166	45.599	297	19.64	181	49.723	290	9.28	259
	26	59.13	96	59.54	212	35.449	321	69.92	176	45.896	315	21.45	188	50.013	313	6.69	241
	36	60.09		57.42		35.770		71.68		46.211		23.33		50.326		4.28	
Mittl. Ort		63.70		96.87		31.906		52.97		42.453		2.85		47.228		34.53	
sec δ, tg δ		4.749		+4.642		1.015		−0.176		1.005		−0.100		1.061		+0.354	
a, *a′*		−0.2		−16.9		+3.2		−16.9		+3.1		−16.8		+2.8		−16.8	
b, *b′*		−0.26		+ 0.53		+0.01		+ 0.54		+0.01		+ 0.55		−0.02		+ 0.55	

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Tag	527) λ Bootis AR.		Dekl.		531) ϑ Bootis AR.		Dekl.		534) ρ Bootis AR.		Dekl.		535) γ Bootis AR.		Dekl.	
1937	$14^h\ 13^m$		$+46°\ 22'$		$14^h\ 23^m$		$+52°\ 7'$		$14^h\ 29^m$		$+30°\ 38'$		$14^h\ 29^m$		$+38°\ 34'$	
Jan. 1	59.338	392	16.97	225	2.813	418	68.20	230	7.052	335	34.27	236	32.503	353	41.55	239
11	59.730	405	14.72	173	3.231	436	65.90	176	7.387	346	31.91	197	32.856	368	39.16	193
21	60.135	404	12.99	115	3.667	441	64.14	116	7.733	346	29.94	151	33.224	369	37.23	142
31	60.539	392	11.84	55	4.108	430	62.98	52	8.079	337	28.43	101	33.593	360	35.81	85
Febr. 10	60.931	367	11.29	7	4.538	407	62.46	11	8.416	318	27.42	48	33.953	340	34.96	28
20	61.298	333	11.36	66	4.945	372	62.57	75	8.734	292	26.94	5	34.293	313	34.68	30
März 2	61.631	292	12.02	122	5.317	328	63.32	131	9.026	260	26.99	56	34.606	279	34.98	84
12	61.923	244	13.24	171	5.645	276	64.63	183	9.286	225	27.55	103	34.885	239	35.82	135
22	62.167	194	14.95	212	5.921	221	66.46	225	9.511	187	28.58	144	35.124	198	37.17	176
Apr. 1	62.361	142	17.07	242	6.142	164	68.71	258	9.698	148	30.02	177	35.322	154	38.93	210
11	62.503	92	19.49	264	6.306	105	71.29	279	9.846	110	31.79	201	35.476	110	41.03	235
21	62.595	41	22.13	274	6.411	47	74.08	290	9.956	73	33.80	218	35.586	69	43.38	250
30	[25] 62.636	5	24.87	274	[28] 6.458	6	76.98	290	[29] 10.029	36	35.98	226	[29] 35.655	27	45.88	256
Mai 10	62.631	49	27.61	266	6.452	59	79.88	281	10.065	2	38.24	225	35.682	12	48.44	252
20	62.582	90	30.27	246	6.393	106	82.69	261	10.067	30	40.49	216	35.670	48	50.96	240
30	62.492	126	32.73	222	6.287	149	85.30	235	10.037	60	42.65	202	35.622	81	53.36	221
Juni 9	62.366	158	34.95	190	6.138	186	87.65	201	9.977	88	44.67	180	35.541	112	55.57	195
19	62.208	185	36.85	154	5.952	219	89.66	162	9.889	113	46.47	155	35.429	140	57.52	165
29	62.023	207	38.39	113	5.733	247	91.28	120	9.776	135	48.02	125	35.289	163	59.17	130
Juli 9	61.816	225	39.52	71	5.486	266	92.48	74	9.641	154	49.27	93	35.126	182	60.47	92
19	61.591	237	40.23	25	5.220	281	93.22	26	9.487	168	50.20	57	34.944	197	61.39	51
29	61.354	241	40.48	20	4.939	288	93.48	23	9.319	177	50.77	22	34.747	206	61.90	10
Aug. 8	61.113	240	40.28	66	4.651	287	93.25	70	9.142	180	50.99	16	34.541	208	62.00	32
18	60.873	231	39.62	110	4.364	277	92.55	117	8.962	178	50.83	52	34.333	205	61.68	74
28	60.642	214	38.52	153	4.087	259	91.38	163	8.784	167	50.31	90	34.128	192	60.94	115
Sept. 7	60.428	188	36.99	194	3.828	231	89.75	206	8.617	149	49.41	127	33.936	173	59.79	155
17	60.240	154	35.05	232	3.597	195	87.69	245	8.468	123	48.14	161	33.763	144	58.24	192
27	60.086	111	32.73	266	3.402	149	85.24	280	8.345	90	46.53	195	33.619	108	56.32	227
Okt. 7	59.975	62	30.07	295	3.253	94	82.44	311	8.255	48	44.58	224	33.511	64	54.05	258
17	59.913	5	27.12	319	3.159	33	79.33	335	8.207	2	42.34	252	33.447	13	51.47	285
27	59.908	56	23.93	336	3.126	35	75.98	351	8.205	50	39.82	275	33.434	42	48.62	307
Nov. 6	59.964	120	20.57	346	3.161	104	72.47	361	8.255	104	37.07	291	33.476	100	45.55	322
16	60.084	182	17.11	346	3.265	175	68.86	361	8.359	157	34.16	301	33.576	157	42.33	327
26	60.266	243	13.65	338	3.440	242	65.25	351	8.516	208	31.15	303	33.733	213	39.06	326
Dez. 6	60.509	295	10.27	319	3.682	304	61.74	330	8.724	254	28.12	296	33.946	262	35.80	314
16	60.804	341	7.08	289	3.986	356	58.44	299	8.978	291	25.16	280	34.208	305	32.66	292
26	61.145	375	4.19	252	4.342	397	55.45	259	9.269	320	22.36	255	34.513	336	29.74	261
36	61.520		1.67		4.739		52.86		9.589		19.81		34.849		27.13	
Mittl. Ort	59.411		36.57		3.163		88.44		6.917		49.48		32.520		58.68	
sec δ, tg δ	1.449		+1.049		1.629		+1.286		1.162		+0.593		1.279		+0.798	
a, a'	+2.3		−16.7		+2.1		−16.3		+2.6		−15.9		+2.4		−15.9	
b, b'	−0.06		+ 0.55		−0.07		+ 0.58		−0.03		+ 0.61		−0.04		+ 0.61	

Tag	537) η Centauri AR.	537) η Centauri Dekl.	538) α Centauri [1]) AR.	538) α Centauri [1]) Dekl.	543) ζ Bootis med. AR.	543) ζ Bootis med. Dekl.	545) μ Virginis AR.	545) μ Virginis Dekl.
1937	$14^h\ 31^m$	$-41°\ 52'$	$14^h\ 35^m$	$-60°\ 34'$	$14^h\ 38^m$	$+13°\ 59'$	$14^h\ 39^m$	$-5°\ 23'$
Jan. 1	30.361 413	49.85 80	18.91 58	27.18 24	8.656 314	40.72 221	44.655 318	11.88 183
11	30.774 420	50.65 114	19.49 58	27.42 72	8.970 322	38.51 199	44.973 325	13.71 178
21	31.194 417	51.79 142	20.07 58	28.14 117	9.292 324	36.52 168	45.298 324	15.49 169
31	31.611 402	53.21 167	20.65 56	29.31 156	9.616 314	34.84 132	45.622 315	17.18 154
Febr. 10	32.013 380	54.88 185	21.21 53	30.87 192	9.930 297	33.52 93	45.937 297	18.72 134
20	32.393 352	56.73 198	21.74 49	32.79 222	10.227 275	32.59 52	46.234 276	20.06 110
März 2	32.745 318	58.71 206	22.23 44	35.01 244	10.502 247	32.07 11	46.510 249	21.16 84
12	33.063 282	60.77 210	22.67 39	37.45 261	10.749 218	31.96 29	46.759 221	22.00 59
22	33.345 244	62.87 208	23.06 33	40.06 272	10.967 186	32.25 64	46.980 192	22.59 34
Apr. 1	33.589 205	64.95 205	23.39 27	42.78 277	11.153 154	32.89 95	47.172 162	22.93 10
11	33.794 167	67.00 197	23.66 21	45.55 277	11.307 122	33.84 119	47.334 132	23.03 9
21	33.961 128	68.97 187	23.87 14	48.32 271	11.429 91	35.03 139	47.466 104	22.94 27
30*)	[30] 34.089 89	70.84 173	24.01 9	51.03 260	11.520 61	36.42 149	47.570 74	22.67 42
Mai 10	34.178 50	72.57 158	[1] 24.10 2	53.63 244	[2] 11.581 31	37.91 156	[2] 47.644 47	22.25 51
20	34.228 13	74.15 138	24.12 4	56.07 223	11.612 2	39.47 156	47.691 19	21.74 60
30	34.241 26	75.53 118	24.08 9	58.30 197	11.614 25	41.03 150	47.710 7	21.14 64
Juni 9	34.215 61	76.71 94	23.99 16	60.27 166	11.589 50	42.53 140	47.703 34	20.50 67
19	34.154 96	77.65 69	23.83 20	61.93 132	11.539 76	43.93 127	47.669 59	19.83 68
29	34.058 127	78.34 41	23.63 26	63.25 94	11.463 97	45.20 110	47.610 81	19.15 66
Juli 9	33.931 154	78.75 11	23.37 29	64.19 52	11.366 116	46.30 90	47.529 102	18.49 64
19	33.777 176	78.86 18	23.08 32	64.71 9	11.250 132	47.20 69	47.427 119	17.85 60
29	33.601 191	78.68 48	22.76 34	64.80 34	11.118 144	47.89 46	47.308 132	17.25 55
Aug. 8	33.410 197	78.20 77	22.42 34	64.46 78	10.974 150	48.35 21	47.176 139	16.70 48
18	33.213 195	77.43 104	22.08 34	63.68 119	10.824 149	48.56 3	47.037 139	16.22 40
28	33.018 182	76.39 127	21.74 31	62.49 157	10.675 143	48.53 31	46.898 133	15.82 30
Sept. 7	32.836 158	75.12 146	21.43 27	60.92 191	10.532 128	48.22 57	46.765 119	15.52 19
17	32.678 125	73.66 160	21.16 22	59.01 216	10.404 105	47.65 85	46.646 96	15.33 3
27	32.553 79	72.06 166	20.94 14	56.85 236	10.299 75	46.80 112	46.550 65	15.30 13
Okt. 7	32.474 27	70.40 167	20.80 7	54.49 244	10.224 37	45.68 140	46.485 28	15.43 33
17	32.447 33	68.73 157	20.73 3	52.05 245	10.187 5	44.28 166	46.457 16	15.76 54
27	32.480 96	67.16 143	20.76 12	49.60 234	10.192 53	42.62 190	46.473 64	16.30 77
Nov. 6	32.576 162	65.73 118	20.88 21	47.26 213	10.245 103	40.72 211	46.537 113	17.07 100
16	32.738 225	64.55 90	21.09 30	45.13 184	10.348 152	38.61 228	46.650 162	18.07 123
26	32.963 282	63.65 56	21.39 39	43.29 147	10.500 198	36.33 240	46.812 208	19.30 144
Dez. 6	33.245 332	63.09 20	21.78 45	41.82 104	10.698 240	33.93 244	47.020 248	20.74 160
16	33.577 370	62.89 19	22.23 52	40.78 56	10.938 274	31.49 242	47.268 281	22.34 173
26	33.947 399	63.08 57	22.75 55	40.22 8	11.212 300	29.07 231	47.549 304	24.07 181
36	34.346	63.65	23.30	40.14	11.512	26.76	47.853	25.88
Mittl. Ort	29.813	56.10	18.44	37.55	8.365	50.94	44.226	7.60
sec δ, tg δ	1.343	−0.897	2.036	−1.773	1.031	+0.249	1.004	−0.094
a, a'	+3.8	−15.8	+4.6	−15.6	+2.9	−15.5	+3.2	−15.4
b, b'	+0.05	+ 0.61	+0.09	+ 0.63	−0.01	+ 0.64	0.00	+ 0.64

[1]) Ort des hellen Sterns; die jährliche Parallaxe (0."758) ist bereits berücksichtigt.

*) Bei Stern 538), 543) und 545) lies Mai 1.

Scheinbare Sternörter 1937

Tag	542) α Apodis AR.		542) α Apodis Dekl.		547) 109 Virginis AR.		547) 109 Virginis Dekl.		548) α Librae AR.		548) α Librae Dekl.		549) Grb 2164 AR.		549) Grb 2164 Dekl.	
1937	$14^h\ 39^m$		$-78°\ 46'$		$14^h\ 43^m$		$+2°\ 9'$		$14^h\ 47^m$		$-15°\ 46'$		$14^h\ 49^m$		$+59°\ 32'$	
Jan. 1	55.56	132	34.72	47	4.080	312	19.29	199	23.764	326	53.16	149	49.256	452	37.78	248
11	56.88	136	34.25	10	4.392	320	17.30	187	24.090	336	54.65	157	49.708	487	35.30	193
21	58.24	137	34.35	66	4.712	320	15.43	170	24.426	335	56.22	158	50.195	504	33.37	132
31	59.61	134	35.01	119	5.032	311	13.73	146	24.761	327	57.80	155	50.699	503	32.05	66
Febr. 10	60.95	129	36.20	166	5.343	295	12.27	118	25.088	310	59.35	146	51.202	488	31.39	1
20	62.24	121	37.86	210	5.638	274	11.09	88	25.398	289	60.81	134	51.690	456	31.40	67
März 2	63.45	111	39.96	247	5.912	248	10.21	55	25.687	264	62.15	117	52.146	413	32.07	129
12	64.56	98	42.43	278	6.160	221	9.66	25	25.951	236	63.32	101	52.559	358	33.36	184
22	65.54	85	45.21	302	6.381	190	9.41	6	26.187	207	64.33	82	52.917	295	35.20	232
Apr. 1	66.39	71	48.23	319	6.571	161	9.47	32	26.394	177	65.15	64	53.212	228	37.52	268
11	67.10	54	51.42	329	6.732	131	9.79	55	26.571	147	65.79	48	53.440	156	40.20	295
21	67.64	38	54.71	333	6.863	102	10.34	73	26.718	118	66.27	32	53.596	88	43.15	309
Mai 1	68.02	22	58.04	328	6.965	73	11.07	86	26.836	89	66.59	19	53.684	17	46.24	314
10	[2] 68.24	4	61.32	318	[3] 7.038	44	11.93	96	[4] 26.925	59	66.78	6	[5] 53.701	50	49.38	306
20	68.28	12	64.50	300	7.082	17	12.89	100	26.984	31	66.84	4	53.651	113	52.44	290
30	68.16	29	67.50	274	7.099	10	13.89	102	27.015	1	66.80	14	53.538	171	55.34	264
Juni 9	67.87	44	70.24	244	7.089	36	14.91	99	27.016	26	66.66	22	53.367	224	57.98	232
19	67.43	59	72.68	205	7.053	61	15.90	94	26.990	54	66.44	30	53.143	270	60.30	193
29	66.84	71	74.73	162	6.992	84	16.84	87	26.936	79	66.14	37	52.873	309	62.23	148
Juli 9	66.13	81	76.35	115	6.908	104	17.71	77	26.857	103	65.77	43	52.564	341	63.71	102
19	65.32	89	77.50	63	6.804	121	18.48	66	26.754	121	65.34	49	52.223	364	64.73	51
29	64.43	93	78.13	9	6.683	134	19.14	55	26.633	136	64.85	54	51.859	378	65.24	1
Aug. 8	63.50	95	78.22	45	6.549	141	19.69	40	26.497	145	64.31	57	51.481	382	65.25	50
18	62.55	93	77.77	100	6.408	142	20.09	25	26.352	147	63.74	59	51.099	377	64.75	100
28	61.62	86	76.77	150	6.266	137	20.34	8	26.205	142	63.15	59	50.722	360	63.75	150
Sept. 7	60.76	76	75.27	197	6.129	123	20.42	10	26.063	126	62.56	56	50.362	333	62.25	195
17	60.00	63	73.30	237	6.006	101	20.32	29	25.937	104	62.00	51	50.029	293	60.30	239
27	59.37	46	70.93	268	5.905	71	20.03	51	25.833	73	61.49	40	49.736	243	57.91	277
Okt. 7	58.91	27	68.25	290	5.834	34	19.52	74	25.760	33	61.09	27	49.493	183	55.14	311
17	58.64	6	65.35	301	5.800	8	18.78	98	25.727	11	60.82	10	49.310	111	52.03	338
27	58.58	18	62.34	300	5.808	56	17.80	121	25.738	62	60.72	11	49.199	35	48.65	358
Nov. 6	58.76	40	59.34	288	5.864	105	16.59	144	25.800	113	60.83	33	49.164	49	45.07	370
16	59.16	62	56.46	263	5.969	153	15.15	164	25.913	164	61.16	58	49.213	133	41.37	372
26	59.78	82	53.83	229	6.122	199	13.51	182	26.077	212	61.74	81	49.346	217	37.65	365
Dez. 6	60.60	100	51.54	186	6.321	239	11.69	194	26.289	254	62.55	105	49.563	295	34.00	346
16	61.60	114	49.68	137	6.560	273	9.75	201	26.543	287	63.60	125	49.858	364	30.54	317
26	62.74	125	48.31	83	6.833	298	7.74	201	26.830	313	64.85	141	50.222	423	27.37	276
36	63.99		47.48		7.131		5.73		27.143		66.26		50.645		24.61	
Mittl. Ort	56.11		47.27		3.715		25.81		23.324		52.16		50.290		57.53	
sec δ, tg δ	5.139		−5.041		1.001		+0.038		1.039		−0.283		1.973		+1.701	
a, a'	+7.4		−15.4		+3.0		−15.2		+3.3		−14.9		+1.5		−14.8	
b, b'	+0.26		+ 0.64		0.00		+ 0.65		+0.01		+ 0.67		−0.08		+ 0.68	

Tag	550) β Ursae min. AR.		Dekl.		551) Pi XIV, 221 AR.		Dekl.		552) β Lupi AR.		Dekl.		555) β Bootis AR.		Dekl.	
1937	14h 50m		+74° 24′		14h 53m		+14° 41′		14h 54m		−42° 52′		14h 59m		+40° 37′	
Jan. 1	49.00	75	25.57	231	14.953	307	48.96	225	24.073	410	47.82	52	34.077	341	60.96	259
11	49.75	81	23.26	173	15.260	319	46.71	201	24.483	422	48.34	85	34.418	361	58.37	216
21	50.56	86	21.53	108	15.579	322	44.70	172	24.905	424	49.19	115	34.779	371	56.21	164
31	51.42	87	20.45	40	15.901	316	42.98	135	25.329	415	50.34	140	35.150	370	54.57	108
Febr. 10	52.29	85	20.05	28	16.217	302	41.63	96	25.744	397	51.74	161	35.520	357	53.49	48
20	53.14	80	20.33	94	16.519	282	40.67	53	26.141	373	53.35	176	35.877	335	53.01	12
März 2	53.94	72	21.27	156	16.801	257	40.14	11	26.514	344	55.11	187	36.212	307	53.13	71
12	54.66	62	22.83	210	17.058	229	40.03	30	26.858	310	56.98	193	36.519	271	53.84	123
22	55.28	51	24.93	255	17.287	198	40.33	66	27.168	275	58.91	196	36.790	233	55.07	171
Apr. 1	55.79	37	27.48	290	17.485	168	40.99	99	27.443	238	60.87	195	37.023	190	56.78	210
11	56.16	23	30.38	313	17.653	136	41.98	124	27.681	199	62.82	191	37.213	148	58.88	239
21	56.39	9	33.51	323	17.789	106	43.22	144	27.880	161	64.73	183	37.361	103	61.27	260
Mai 1	56.48	5	36.74	324	17.895	74	44.66	158	28.041	121	66.56	174	37.464	61	63.87	270
10	[5]56.43	18	39.98	313	[5]17.969	44	46.24	164	[6]28.162	81	68.30	162	[7]37.525	19	66.57	270
20	56.25	32	43.11	291	18.013	15	47.88	164	28.243	41	69.92	146	37.544	22	69.27	263
30	55.93	42	46.02	261	18.028	14	49.52	160	28.284	0	71.38	128	37.522	60	71.90	245
Juni 9	55.51	53	48.63	225	18.014	42	51.12	150	28.284	40	72.66	108	37.462	97	74.35	223
19	54.98	61	50.88	181	17.972	67	52.62	136	28.244	79	73.74	84	37.365	129	76.58	193
29	54.37	68	52.69	134	17.905	93	53.98	118	28.165	114	74.58	58	37.236	159	78.51	159
Juli 9	53.69	74	54.03	83	17.812	113	55.16	99	28.051	146	75.16	31	37.077	184	80.10	121
19	52.95	78	54.86	30	17.699	132	56.15	76	27.905	173	75.47	2	36.893	205	81.31	81
29	52.17	79	55.16	22	17.567	146	56.91	53	27.732	193	75.49	28	36.688	220	82.12	37
Aug. 8	51.38	80	54.94	76	17.421	154	57.44	27	27.539	206	75.21	58	36.468	229	82.49	6
18	50.58	77	54.18	128	17.267	157	57.71	1	27.333	207	74.63	85	36.239	229	82.43	50
28	49.81	74	52.90	176	17.110	151	57.72	26	27.126	200	73.78	112	36.010	223	81.93	94
Sept. 7	49.07	69	51.14	222	16.959	139	57.46	54	26.926	180	72.66	133	35.787	207	80.99	136
17	48.38	61	48.92	263	16.820	118	56.92	82	26.746	149	71.33	150	35.580	182	79.63	177
27	47.77	52	46.29	301	16.702	89	56.10	111	26.597	107	69.83	162	35.398	148	77.86	215
Okt. 7	47.25	41	43.28	331	16.613	54	54.99	138	26.490	56	68.21	165	35.250	106	75.71	250
17	46.84	28	39.97	356	16.559	10	53.61	165	26.434	3	66.56	162	35.144	57	73.21	280
27	46.56	15	36.41	372	16.549	36	51.96	190	26.437	68	64.94	151	35.087	1	70.41	305
Nov. 6	46.41	0	32.69	379	16.585	87	50.06	211	26.505	134	63.43	132	35.086	58	67.36	324
16	46.41	15	28.90	377	16.672	137	47.95	229	26.639	200	62.11	108	35.144	119	64.12	334
26	46.56	30	25.13	364	16.809	184	45.66	241	26.839	261	61.03	77	35.263	178	60.78	335
Dez. 6	46.86	44	21.49	341	16.993	227	43.25	247	27.100	315	60.26	43	35.441	232	57.43	328
16	47.30	57	18.08	306	17.220	263	40.78	244	27.415	358	59.83	8	35.673	280	54.15	310
26	47.87	69	15.02	263	17.483	291	38.34	235	27.773	391	59.75	29	35.953	319	51.05	280
36	48.56		12.39		17.774		35.99		28.164		60.04		36.272		48.25	
Mittl. Ort	52.08		46.62		14.753		58.83		23.659		54.17		34.373		76.90	
sec δ, tg δ	3.722		+3.585		1.034		+0.262		1.365		−0.929		1.318		+0.858	
a, *a′*	−0.2		−14.7		+2.8		−14.6		+3.9		−14.5		+2.3		−14.2	
b, *b′*	−0.18		+ 0.68		−0.01		+ 0.69		+0.04		+ 0.69		−0.04		+ 0.71	

Scheinbare Sternörter 1937

Tag	556) γ Scorpii AR.		Dekl.	
1937	$15^h\ 0^m$		$-25°\ 2'$	
Jan. 1	23.026	341	6.95	110
11	23.367	352	8.05	126
21	23.719	354	9.31	139
31	24.073	346	10.70	145
Febr. 10	24.419	333	12.15	147
20	24.752	312	13.62	145
März 2	25.064	288	15.07	138
12	25.352	261	16.45	129
22	25.613	232	17.74	119
Apr. 1	25.845	201	18.93	107
11	26.046	172	20.00	95
21	26.218	141	20.95	82
Mai 1	26.359	109	21.77	71
10	[7] 26.468	78	22.48	59
20	26.546	46	23.07	47
30	26.592	14	23.54	34
Juni 9	26.606	18	23.88	23
19	26.588	49	24.11	10
29	26.539	78	24.21	3
Juli 9	26.461	105	24.18	17
19	26.356	128	24.01	30
29	26.228	145	23.71	43
Aug. 8	26.083	158	23.28	56
18	25.925	161	22.72	67
28	25.764	157	22.05	76
Sept. 7	25.607	144	21.29	82
17	25.463	120	20.47	85
27	25.343	88	19.62	83
Okt. 7	25.255	48	18.79	76
17	25.207	0	18.03	64
27	25.207	53	17.39	49
Nov. 6	25.260	107	16.90	28
16	25.367	162	16.62	4
26	25.529	214	16.58	22
Dez. 6	25.743	258	16.80	48
16	26.001	296	17.28	74
26	26.297	324	18.02	97
36	26.621		18.99	
Mittl. Ort	22.625		8.71	
sec δ, tg δ	1.104		−0.467	
a, *a′*	+3.5		−14.1	
b, *b′*	+0.02		+ 0.71	

Tag	557) ψ Bootis AR.		Dekl.	
1937	$15^h\ 1^m$		$+27°\ 11'$	
Jan. 1	44.731	311	19.20	248
11	45.042	328	16.72	214
21	45.370	335	14.58	173
31	45.705	332	12.85	126
Febr. 10	46.037	319	11.59	75
20	46.356	300	10.84	24
März 2	46.656	275	10.60	28
12	46.931	246	10.88	76
22	47.177	213	11.64	120
Apr. 1	47.390	179	12.84	156
11	47.569	144	14.40	185
21	47.713	109	16.25	206
Mai 1	47.822	74	18.31	219
10	[8] 47.896	39	20.50	223
20	47.935	7	22.73	221
30	47.942	27	24.94	210
Juni 9	47.915	57	27.04	193
19	47.858	86	28.97	173
29	47.772	112	30.70	146
Juli 9	47.660	137	32.16	117
19	47.523	156	33.33	85
29	47.367	171	34.18	51
Aug. 8	47.196	181	34.69	16
18	47.015	183	34.85	20
28	46.832	179	34.65	57
Sept. 7	46.653	166	34.08	92
17	46.487	145	33.16	128
27	46.342	116	31.88	162
Okt. 7	46.226	78	30.26	195
17	46.148	34	28.31	223
27	46.114	15	26.08	250
Nov. 6	46.129	68	23.58	271
16	46.197	121	20.87	285
26	46.318	173	18.02	293
Dez. 6	46.491	220	15.09	292
16	46.711	261	12.17	282
26	46.972	294	9.35	263
36	47.266		6.72	
Mittl. Ort	44.749		31.98	
sec δ, tg δ	1.124		+0.514	
a, *a′*	+2.6		−14.1	
b, *b′*	−0.02		+ 0.71	

Tag	558) ζ Lupi AR.		Dekl.	
1937	$15^h\ 7^m$		$-51°\ 51'$	
Jan. 1	44.973	464	31.21	4
11	45.437	483	31.25	43
21	45.920	489	31.68	81
31	46.409	484	32.49	114
Febr. 10	46.893	467	33.63	143
20	47.360	444	35.06	169
März 2	47.804	412	36.75	189
12	48.216	377	38.64	204
22	48.593	337	40.68	214
Apr. 1	48.930	295	42.82	222
11	49.225	250	45.04	223
21	49.475	204	47.27	222
Mai 1	49.679	157	49.49	216
10	[9] 49.836	107	51.65	207
20	49.943	57	53.72	193
30	50.000	7	55.65	176
Juni 9	50.007	43	57.41	154
19	49.964	92	58.95	128
29	49.872	137	60.23	100
Juli 9	49.735	177	61.23	67
19	49.558	213	61.90	33
29	49.345	239	62.23	3
Aug. 8	49.106	255	62.20	40
18	48.851	260	61.80	76
28	48.591	254	61.04	110
Sept. 7	48.337	232	59.94	141
17	48.105	198	58.53	166
27	47.907	151	56.87	187
Okt. 7	47.756	91	55.00	199
17	47.665	24	53.01	202
27	47.641	52	50.99	198
Nov. 6	47.693	130	49.01	185
16	47.823	207	47.16	163
26	48.030	279	45.53	134
Dez. 6	48.309	344	44.19	101
16	48.653	398	43.18	62
26	49.051	440	42.56	23
36	49.491		42.33	
Mittl. Ort	44.701		39.34	
sec δ, tg δ	1.619		−1.274	
a, *a′*	+4.3		−13.7	
b, *b′*	+0.06		+ 0.73	

Tag	563) δ Bootis AR.		Dekl.	
1937	$15^h\ 12^m$		$+33°\ 32'$	
Jan. 1	57.567	314	42.07	260
11	57.881	336	39.47	224
21	58.217	346	37.23	178
31	58.563	345	35.45	126
Febr. 10	58.908	337	34.19	72
20	59.245	319	33.47	15
März 2	59.564	294	33.32	40
12	59.858	265	33.72	93
22	60.123	232	34.65	140
Apr. 1	60.355	195	36.05	179
11	60.550	159	37.84	211
21	60.709	120	39.95	233
Mai 1	60.829	82	42.28	247
10	[10] 60.911	45	44.75	251
20	60.956	7	47.26	248
30	60.963	28	49.74	236
Juni 9	60.935	63	52.10	217
19	60.872	95	54.27	193
29	60.777	124	56.20	164
Juli 9	60.653	151	57.84	131
19	60.502	174	59.15	95
29	60.328	190	60.10	56
Aug. 8	60.138	202	60.66	17
18	59.936	206	60.83	23
28	59.730	202	60.60	64
Sept. 7	59.528	191	59.96	104
17	59.337	170	58.92	143
27	59.167	140	57.49	180
Okt. 7	59.027	102	55.69	215
17	58.925	57	53.54	247
27	58.868	6	51.07	273
Nov. 6	58.862	49	48.34	294
16	58.911	106	45.40	310
26	59.017	160	42.30	315
Dez. 6	59.177	212	39.15	313
16	59.389	257	36.02	301
26	59.646	294	33.01	278
36	59.940		30.23	
Mittl. Ort	57.777		55.73	
sec δ, tg δ	1.200		+0.663	
a, *a′*	+2.4		−13.3	
b, *b′*	−0.03		+ 0.75	

Tag	560) γ Triang. austr. AR.		560) Dekl.		564) β Librae AR.		564) Dekl.		565) I H. Ursae min. AR.		565) Dekl.		566) φ¹ Lupi AR.		566) Dekl.	
1937	15ʰ 12ᵐ		−68° 26′		15ʰ 13ᵐ		−9° 9′		15ʰ 13ᵐ		+67° 34′		15ʰ 17ᵐ		−36° 1′	
Jan. 1	59ˢ.78	71	45″.05	62	37ˢ.112	306	8″.84	158	52ˢ.31	52	49″.45	264	48ˢ.353	366	59″.03	54
11	60.49	75	44.43	13	37.418	320	10.42	158	52.83	58	46.81	211	48.719	383	59.57	80
21	61.24	77	44.30	36	37.738	325	12.00	154	53.41	62	44.70	149	49.102	388	60.37	103
31	62.01	77	44.66	82	38.063	320	13.54	143	54.03	64	43.21	83	49.490	385	61.40	121
Febr. 10	62.78	75	45.48	126	38.383	309	14.97	127	54.67	63	42.38	15	49.875	373	62.61	135
20	63.53	71	46.74	164	38.692	293	16.24	108	55.30	60	42.23	53	50.248	355	63.96	145
März 2	64.24	67	48.38	199	38.985	271	17.32	87	55.90	56	42.76	118	50.603	330	65.41	150
12	64.91	61	50.37	227	39.256	248	18.19	64	56.46	49	43.94	177	50.933	305	66.91	153
22	65.52	55	52.64	250	39.504	221	18.83	41	56.95	42	45.71	228	51.238	274	68.44	152
Apr. 1	66.07	48	55.14	268	39.725	195	19.24	21	57.37	34	47.99	268	51.512	244	69.96	149
11	66.55	41	57.82	280	39.920	166	19.45	2	57.71	24	50.67	299	51.756	210	71.45	143
21	66.96	32	60.62	286	40.086	139	19.47	15	57.95	14	53.66	317	51.966	177	72.88	138
Mai 1	67.28	24	63.48	285	40.225	110	19.32	28	58.09	5	56.83	325	52.143	142	74.26	129
10*)	10 67.52	14	66.33	280	11 40.335	81	19.04	39	11 58.14	4	60.08	321	12 52.285	105	75.55	119
20	67.66	7	69.13	269	40.416	51	18.65	46	58.10	14	63.29	307	52.390	68	76.74	108
30	67.73	3	71.82	250	40.467	22	18.19	52	57.96	22	66.36	283	52.458	31	77.82	95
Juni 9	67.70	12	74.32	226	40.489	8	17.67	56	57.74	30	69.19	253	52.489	8	78.77	80
19	67.58	20	76.58	197	40.481	37	17.11	57	57.44	37	71.72	214	52.481	45	79.57	64
29	67.38	28	78.55	161	40.444	65	16.54	57	57.07	42	73.86	172	52.436	81	80.21	45
Juli 9	67.10	34	80.16	122	40.379	91	15.97	57	56.65	47	75.58	123	52.355	114	80.66	24
19	66.76	41	81.38	78	40.288	113	15.40	56	56.18	52	76.81	73	52.241	143	80.90	3
29	66.35	45	82.16	32	40.175	132	14.84	53	55.66	53	77.54	21	52.098	166	80.93	20
Aug. 8	65.90	47	82.48	17	40.043	144	14.31	49	55.13	55	77.75	32	51.932	182	80.73	42
18	65.43	48	82.31	65	39.899	150	13.82	46	54.58	55	77.43	83	51.750	190	80.31	64
28	64.95	46	81.66	113	39.749	150	13.36	39	54.03	53	76.60	135	51.560	187	79.67	85
Sept. 7	64.49	43	80.53	156	39.599	139	12.97	30	53.50	50	75.25	183	51.373	175	78.82	101
17	64.06	37	78.97	196	39.460	120	12.67	20	53.00	46	73.42	228	51.198	151	77.81	116
27	63.69	29	77.01	227	39.340	93	12.47	8	52.54	40	71.14	270	51.047	118	76.65	124
Okt. 7	63.40	20	74.74	251	39.247	58	12.39	9	52.14	32	68.44	306	50.929	73	75.41	126
17	63.20	8	72.23	265	39.189	16	12.48	26	51.82	24	65.38	336	50.856	21	74.15	124
27	63.12	3	69.58	269	39.173	32	12.74	46	51.58	14	62.02	359	50.835	37	72.91	115
Nov. 6	63.15	17	66.89	261	39.205	82	13.20	68	51.44	3	58.43	374	50.872	97	71.76	98
16	63.32	28	64.28	244	39.287	133	13.88	89	51.41	8	54.69	379	50.969	159	70.78	78
26	63.60	41	61.84	218	39.420	181	14.77	110	51.49	18	50.90	373	51.128	216	70.00	52
Dez. 6	64.01	51	59.66	181	39.601	224	15.87	128	51.67	30	47.17	358	51.344	269	69.48	24
16	64.52	60	57.85	141	39.825	261	17.15	144	51.97	39	43.59	330	51.613	312	69.24	6
26	65.12	68	56.44	93	40.086	290	18.59	153	52.36	48	40.29	293	51.925	346	69.30	35
36	65.80		55.51		40.376		20.12		52.84		37.36		52.271		69.65	
Mittl. Ort	59.95		55.76		36.823		6.33		54.47		68.29		48.039		63.60	
sec δ, tg δ	2.722		−2.532		1.013		−0.161		2.623		+2.424		1.237		−0.727	
a, *a′*	+5.6		−13.3		+3.2		−13.3		+0.6		−13.3		+3.8		−13.0	
b, *b′*	+0.11		+ 0.75		+0.01		+ 0.75		−0.11		+ 0.75		+0.03		+ 0.76	

*) Bei Stern 564), 565) und 566) lies Mai 11.

Scheinbare Sternörter 1937

Tag	569) γ Ursae min. AR.		Dekl.		568) μ Bootis AR.		Dekl.		571) ι Draconis AR.		Dekl.		572) β Coron. bor. AR.		Dekl.	
1937	$15^h\ 20^m$		$+72°\ 2'$		$15^h\ 22^m$		$+37°\ 35'$		$15^h\ 23^m$		$+59°\ 10'$		$15^h\ 25^m$		$+29°\ 18'$	
Jan. 1	45.71 s	60	70.75 "	265	6.231 s	315	35.73 "	269	30.157 s	410	53.01 "	278	13.693 s	299	66.32 "	260
11	46.31	68	68.10	210	6.546	340	33.04	230	30.567	454	50.23	228	13.992	321	63.72	226
21	46.99	74	66.00	150	6.886	353	30.74	183	31.021	483	47.95	170	14.313	332	61.46	185
31	47.73	76	64.50	83	7.239	357	28.91	129	31.504	494	46.25	105	14.645	334	59.61	137
Febr. 10	48.49	76	63.67	15	7.596	349	27.62	71	31.998	491	45.20	40	14.979	327	58.24	86
20	49.25	73	63.52	53	7.945	333	26.91	13	32.489	472	44.80	29	15.306	312	57.38	31
März 2	49.98	68	64.05	118	8.278	310	26.78	46	32.961	439	45.09	93	15.618	291	57.07	22
12	50.66	61	65.23	177	8.588	280	27.24	101	33.400	394	46.02	154	15.909	265	57.29	74
22	51.27	52	67.00	229	8.868	247	28.25	150	33.794	342	47.56	206	16.174	236	58.03	120
Apr. 1	51.79	41	69.29	270	9.115	209	29.75	191	34.136	281	49.62	250	16.410	202	59.23	160
11	52.20	30	71.99	301	9.324	171	31.66	226	34.417	215	52.12	284	16.612	169	60.83	193
21	52.50	18	75.00	320	9.495	130	33.92	249	34.632	148	54.96	306	16.781	133	62.76	216
Mai 1	52.68	6	78.20	329	9.625	90	36.41	263	34.780	78	58.02	318	16.914	97	64.92	233
11	52.74	7	81.49	324	9.715	49	39.04	269	34.858	10	61.20	319	17.011	62	67.25	239
20	^{12}52.67	17	84.73	312	^{13}9.764	9	41.73	265	^{13}34.868	56	64.39	309	^{14}17.073	26	69.64	239
30	52.50	29	87.85	288	9.773	30	44.38	253	34.812	119	67.48	290	17.099	9	72.03	230
Juni 9	52.21	38	90.73	257	9.743	66	46.91	234	34.693	178	70.38	263	17.090	43	74.33	214
19	51.83	48	93.30	220	9.677	102	49.25	208	34.515	231	73.01	228	17.047	76	76.47	194
29	51.35	54	95.50	176	9.575	134	51.33	178	34.284	279	75.29	189	16.971	106	78.41	167
Juli 9	50.81	61	97.26	129	9.441	163	53.11	142	34.005	320	77.18	145	16.865	133	80.08	138
19	50.20	66	98.55	78	9.278	188	54.53	105	33.685	352	78.63	96	16.732	158	81.46	105
29	49.54	69	99.33	25	9.090	206	55.58	63	33.333	377	79.59	47	16.574	177	82.51	69
Aug. 8	48.85	70	99.58	27	8.884	220	56.21	22	32.956	390	80.06	4	16.397	190	83.20	33
18	48.15	71	99.31	79	8.664	225	56.43	21	32.566	395	80.02	55	16.207	196	83.53	5
28	47.44	68	98.52	131	8.439	223	56.22	65	32.171	387	79.47	107	16.011	196	83.48	43
Sept. 7	46.76	65	97.21	179	8.216	211	55.57	106	31.784	369	78.40	154	15.815	187	83.05	81
17	46.11	60	95.42	225	8.005	191	54.51	148	31.415	337	76.86	201	15.628	168	82.24	120
27	45.51	52	93.17	267	7.814	162	53.03	187	31.078	294	74.85	245	15.460	141	81.04	155
Okt. 7	44.99	44	90.50	303	7.652	123	51.16	224	30.784	238	72.40	282	15.319	106	79.49	190
17	44.55	34	87.47	333	7.529	78	48.92	256	30.546	174	69.58	316	15.213	63	77.59	222
27	44.21	21	84.14	357	7.451	25	46.36	284	30.372	100	66.42	342	15.150	15	75.37	250
Nov. 6	44.00	9	80.57	372	7.426	32	43.52	307	30.272	18	63.00	361	15.135	39	72.87	273
16	43.91	4	76.85	376	7.458	91	40.45	321	30.254	66	59.39	371	15.174	94	70.14	290
26	43.95	18	73.09	373	7.549	149	37.24	328	30.320	151	55.68	370	15.268	146	67.24	299
Dez. 6	44.13	31	69.36	357	7.698	203	33.96	324	30.471	234	51.98	359	15.414	197	64.25	301
16	44.44	44	65.79	330	7.901	252	30.72	312	30.705	308	48.39	337	15.611	242	61.24	292
26	44.88	55	62.49	291	8.153	293	27.60	288	31.013	374	45.02	303	15.853	278	58.32	274
36	45.43		59.58		8.446		24.72		31.387		41.99		16.131		55.58	
Mittl. Ort	48.80		89.35		6.598		49.67		31.539		70.27		13.887		78.34	
sec δ, tg δ	3.246		+3.088		1.262		+0.770		1.952		+1.677		1.147		+0.562	
a, *a'*	−0.1		−12.8		+2.3		−12.7		+1.3		−12.6		+2.5		−12.5	
b, *b'*	−0.13		+ 0.77		−0.03		+ 0.77		−0.07		+ 0.78		−0.02		+ 0.78	

Tag	573) ν¹ Bootis AR.		Dekl.		575) γ Lupi AR.		Dekl.		577) γ Librae AR.		Dekl.		578) α Coron. bor. AR.		Dekl.	
1937	15h 28m		+41° 2′		15h 30m		−40° 57′		15h 31m		−14° 34′		15h 32m		+26° 55′	
Jan. 1	39.446	319	34.54	276	56.217	380	18.34	21	60.137	304	51.49	128	1.012	292	20.91	257
11	39.765	346	31.78	236	56.597	400	18.55	50	60.441	321	52.77	135	1.304	314	18.34	227
21	40.111	362	29.42	187	56.997	410	19.05	77	60.762	329	54.12	136	1.618	327	16.07	188
31	40.473	368	27.55	132	57.407	409	19.82	101	61.091	327	55.48	131	1.945	329	14.19	143
Febr. 10	40.841	363	26.23	72	57.816	399	20.83	119	61.418	319	56.79	122	2.274	323	12.76	93
20	41.204	348	25.51	11	58.215	383	22.02	135	61.737	305	58.01	108	2.597	310	11.83	40
März 2	41.552	325	25.40	50	58.598	361	23.37	146	62.042	287	59.09	93	2.907	291	11.43	12
12	41.877	296	25.90	105	58.959	335	24.83	153	62.329	266	60.02	76	3.198	266	11.55	62
22	42.173	261	26.95	158	59.294	305	26.36	158	62.595	241	60.78	58	3.464	238	12.17	109
Apr. 1	42.434	223	28.53	200	59.599	274	27.94	160	62.836	217	61.36	40	3.702	207	13.26	148
11	42.657	181	30.53	235	59.873	239	29.54	159	63.053	188	61.76	25	3.909	175	14.74	182
21	42.838	140	32.88	261	60.112	204	31.13	156	63.241	161	62.01	10	4.084	140	16.56	206
Mai 1	42.978	96	35.49	275	60.316	166	32.69	151	63.402	133	62.11	1	4.224	107	18.62	223
11	$_{14}$43.074	53	38.24	282	60.482	128	34.20	144	63.535	103	62.10	11	4.331	71	20.85	231
20	43.127	10	41.06	277	^{15}60.610	86	35.64	134	^{15}63.638	72	61.99	20	^{15}4.402	37	23.16	231
30	43.137	32	43.83	266	60.696	45	36.98	122	63.710	41	61.79	25	4.439	2	25.47	225
Juni 9	43.105	71	46.49	245	60.741	3	38.20	107	63.751	9	61.54	31	4.441	32	27.72	211
19	43.034	109	48.94	219	60.744	39	39.27	91	63.760	23	61.23	34	4.409	64	29.83	191
29	42.925	144	51.13	187	60.705	80	40.18	70	63.737	54	60.89	38	4.345	96	31.74	168
Juli 9	42.781	175	53.00	151	60.625	117	40.88	48	63.683	82	60.51	41	4.249	123	33.42	139
19	42.606	201	54.51	111	60.508	151	41.36	23	63.601	109	60.10	42	4.126	149	34.81	109
29	42.405	222	55.62	68	60.357	178	41.59	2	63.492	130	59.68	45	3.977	169	35.90	75
Aug. 8	42.183	236	56.30	25	60.179	197	41.57	28	63.362	147	59.23	47	3.808	183	36.65	39
18	41.947	243	56.55	20	59.982	209	41.29	55	63.215	156	58.76	47	3.625	191	37.04	4
28	41.704	241	56.35	66	59.773	208	40.74	80	63.059	158	58.29	46	3.434	191	37.08	33
Sept. 7	41.463	231	55.69	109	59.565	197	39.94	103	62.901	150	57.83	43	3.243	184	36.75	71
17	41.232	210	54.60	152	59.368	174	38.91	122	62.751	134	57.40	39	3.059	167	36.04	107
27	41.022	181	53.08	193	59.194	140	37.69	136	62.617	107	57.01	31	2.892	141	34.97	143
Okt. 7	40.841	141	51.15	231	59.054	93	36.33	145	62.510	73	56.70	20	2.751	107	33.54	177
17	40.700	94	48.84	265	58.961	41	34.88	146	62.437	32	56.50	6	2.644	65	31.77	208
27	40.606	41	46.19	293	58.920	21	33.42	142	62.405	17	56.44	11	2.579	18	29.69	237
Nov. 6	40.565	19	43.26	317	58.941	85	32.00	130	62.422	67	56.55	30	2.561	35	27.32	261
16	40.584	79	40.09	331	59.026	150	30.70	111	62.489	120	56.85	50	2.596	88	24.71	279
26	40.663	141	36.78	338	59.176	213	29.59	88	62.609	169	57.35	70	2.684	141	21.92	289
Dez. 6	40.804	198	33.40	334	59.389	270	28.71	61	62.778	216	58.05	91	2.825	190	19.03	293
16	41.002	249	30.06	320	59.659	319	28.10	30	62.994	254	58.96	108	3.015	235	16.10	287
26	41.251	294	26.86	296	59.978	357	27.80	1	63.248	286	60.04	122	3.250	271	13.23	271
36	41.545		23.90		60.335		27.81		63.534		61.26		3.521		10.52	
Mittl. Ort	39.957		48.71		55.987		23.90		59.905		50.72		1.196		32.03	
sec δ, tg δ	1.326		+0.871		1.324		−0.868		1.033		−0.260		1.122		+0.508	
a, a′	+2.2		−12.3		+4.0		−12.1		+3.4		−12.1		+2.5		−12.1	
b, b′	−0.04		+ 0.79		+0.04		+ 0.80		+0.01		+ 0.80		−0.02		+ 0.80	

Tag	582) α Serpentis AR.		582) α Serpentis Dekl.		583) β Serpentis AR.		583) β Serpentis Dekl.		584) κ Serpentis AR.		584) κ Serpentis Dekl.		590) ζ Ursae min. AR.		590) ζ Ursae min. Dekl.	
1937	$15^h\ 41^m$		$+6°\ 37'$		$15^h\ 43^m$		$+15°\ 36'$		$15^h\ 45^m$		$+18°\ 19'$		$15^h\ 46^m$		$+77°\ 58'$	
Jan. 1	$9^s.841$	280	$15''.31$	203	$16^s.692$	278	$55''.72$	232	$54^s.084$	277	$56''.94$	240	$10^s.13$	76	$64''.52$	278
11	10.121	299	13.28	191	16.970	299	53.40	211	54.361	298	54.54	217	10.89	88	61.74	229
21	10.420	310	11.37	170	17.269	310	51.29	182	54.659	312	52.37	186	11.77	100	59.45	170
31	10.730	311	9.67	143	17.579	314	49.47	148	54.971	315	50.51	149	12.77	106	57.75	108
Febr. 10	11.041	305	8.24	112	17.893	309	47.99	107	55.286	312	49.02	107	13.83	109	56.67	39
20	11.346	294	7.12	77	18.202	299	46.92	64	55.598	300	47.95	61	14.92	107	56.28	28
März 2	11.640	278	6.35	40	18.501	281	46.28	20	55.898	285	47.34	14	15.99	102	56.56	94
12	11.918	257	5.95	4	18.782	261	46.08	24	56.183	264	47.20	31	17.01	93	57.50	155
22	12.175	234	5.91	30	19.043	237	46.32	64	56.447	239	47.51	74	17.94	82	59.05	210
Apr. 1	12.409	208	6.21	61	19.280	210	46.96	100	56.686	213	48.25	111	18.76	67	61.15	255
11	12.617	183	6.82	88	19.490	183	47.96	131	56.899	185	49.36	143	19.43	51	63.70	290
21	12.800	154	7.70	110	19.673	153	49.27	155	57.084	155	50.79	168	19.94	33	66.60	314
Mai 1	12.954	126	8.80	125	19.826	122	50.82	172	57.239	124	52.47	186	20.27	16	69.74	327
11	13.080	96	10.05	136	19.948	92	52.54	183	57.363	92	54.33	196	20.43	3	73.01	329
20	^{18}13.176	65	11.41	141	^{18}20.040	60	54.37	186	^{19}57.455	59	56.29	199	^{19}20.40	21	76.30	320
30	13.241	35	12.82	141	20.100	27	56.23	185	57.514	27	58.28	197	20.19	38	79.50	301
Juni 9	13.276	4	14.23	136	20.127	5	58.08	175	57.541	7	60.25	188	19.81	54	82.51	274
19	13.280	28	15.59	129	20.122	36	59.83	163	57.534	39	62.13	174	19.27	68	85.25	240
29	13.252	57	16.88	117	20.086	68	61.46	147	57.495	70	63.87	155	18.59	80	87.65	200
Juli 9	13.195	86	18.05	104	20.018	96	62.93	126	57.425	100	65.42	133	17.79	92	89.65	155
19	13.109	111	19.09	88	19.922	122	64.19	103	57.325	125	66.75	109	16.87	99	91.20	106
29	12.998	133	19.97	71	19.800	143	65.22	79	57.200	148	67.84	82	15.88	106	92.26	56
Aug. 8	12.865	149	20.68	51	19.657	160	66.01	52	57.052	165	68.66	53	14.82	109	92.82	3
18	12.716	159	21.19	32	19.497	170	66.53	24	56.887	175	69.19	23	13.73	111	92.85	49
28	12.557	162	21.51	11	19.327	173	66.77	4	56.712	178	69.42	8	12.62	109	92.36	101
Sept. 7	12.395	156	21.62	12	19.154	167	66.73	34	56.534	173	69.34	39	11.53	106	91.35	150
17	12.239	142	21.50	34	18.987	153	66.39	64	56.361	159	68.95	71	10.47	99	89.85	196
27	12.097	119	21.16	58	18.834	130	65.75	93	56.202	136	68.24	103	9.48	89	87.89	241
Okt. 7	11.978	88	20.58	83	18.704	99	64.82	123	56.066	105	67.21	133	8.59	79	85.48	279
17	11.890	49	19.75	107	18.605	60	63.59	152	55.961	66	65.88	164	7.80	64	82.69	313
27	11.841	4	18.68	131	18.545	15	62.07	178	55.895	21	64.24	190	7.16	48	79.56	340
Nov. 6	11.837	44	17.37	155	18.530	34	60.29	203	55.874	29	62.34	216	6.68	30	76.16	358
16	11.881	94	15.82	174	18.564	85	58.26	222	55.903	80	60.18	236	6.38	11	72.58	369
26	11.975	143	14.08	191	18.649	135	56.04	237	55.983	130	57.82	250	6.27	9	68.89	369
Dez. 6	12.118	188	12.17	203	18.784	182	53.67	246	56.113	178	55.32	257	6.36	28	65.20	359
16	12.306	229	10.14	208	18.966	223	51.21	247	56.291	221	52.75	258	6.64	49	61.61	336
26	12.535	261	8.06	208	19.189	258	48.74	240	56.512	256	50.17	249	7.13	65	58.25	303
36	12.796		5.98		19.447		46.34		56.768		47.68		7.78		55.22	
Mittl. Ort	9.787		21.24		16.751		63.71		54.193		65.41		15.93		81.14	
sec δ, tg δ	1.007		+0.116		1.038		+0.280		1.054		+0.331		4.805		+4.700	
a, a'	+2.9		−11.4		+2.8		−11.3		+2.7		−11.1		−2.2		−11.0	
b, b'	0.00		+ 0.82		−0.01		+ 0.83		−0.01		+ 0.83		−0.17		+ 0.83	

Tag	585) μ Serpentis AR.		585) μ Serpentis Dekl.		588) ε Serpentis AR.		588) ε Serpentis Dekl.		589) β Triang. austr. AR.		589) β Triang. austr. Dekl.		593) ε Coron. bor. AR.		593) ε Coron. bor. Dekl.	
1937	$15^h\ 46^m$		$-3^\circ\ 14'$		$15^h\ 47^m$		$+4^\circ\ 39'$		$15^h\ 49^m$		$-63^\circ\ 14'$		$15^h\ 54^m$		$+27^\circ\ 3'$	
Jan. 1	$19^s.904$	283	$23''.10$	167	$40^s.466$	277	$52''.56$	196	$34^s.12$	57	$9''.13$	91	$58^s.386$	274	$23''.01$	263
11	20.187	301	24.77	163	40.743	296	50.60	185	34.69	60	8.22	47	58.660	301	20.38	236
21	20.488	311	26.40	152	41.039	308	48.75	166	35.29	63	7.75	6	58.961	317	18.02	198
31	20.799	314	27.92	136	41.347	310	47.09	142	35.92	64	7.69	37	59.278	324	16.04	154
Febr. 10	21.113	308	29.28	115	41.657	306	45.67	113	36.56	64	8.06	76	59.602	323	14.50	106
20	21.421	297	30.43	89	41.963	295	44.54	79	37.20	62	8.82	113	59.925	315	13.44	52
März 2	21.718	281	31.32	63	42.258	280	43.75	46	37.82	60	9.95	145	60.240	299	12.92	0
12	21.999	262	31.95	35	42.538	261	43.29	10	38.42	55	11.40	174	60.539	279	12.92	53
22	22.261	241	32.30	8	42.799	238	43.19	24	38.97	52	13.14	198	60.818	254	13.45	100
Apr. 1	22.502	216	32.38	18	43.037	214	43.43	53	39.49	46	15.12	218	61.072	226	14.45	143
11	22.718	191	32.20	39	43.251	188	43.96	79	39.95	41	17.30	232	61.298	196	15.88	179
21	22.909	164	31.81	57	43.439	162	44.75	100	40.36	35	19.62	243	61.494	163	17.67	206
Mai 1	23.073	137	31.24	72	43.601	132	45.75	117	40.71	28	22.05	249	61.657	130	19.73	226
11	23.210	108	30.52	82	43.733	104	46.92	126	40.99	22	24.54	250	61.787	95	21.99	237
20*)	[19] 23.318	78	29.70	88	[19] 43.837	73	48.18	133	[20] 41.21	14	27.04	245	[21] 61.882	59	24.36	241
30	23.396	46	28.82	91	43.910	43	49.51	133	41.35	7	29.49	234	61.941	23	26.77	235
Juni 9	23.442	15	27.91	91	43.953	10	50.84	130	41.42	1	31.83	219	61.964	12	29.12	224
19	23.457	17	27.00	88	43.963	21	52.14	123	41.41	9	34.02	198	61.952	48	31.36	207
29	23.440	47	26.12	83	43.942	52	53.37	113	41.32	15	36.00	170	61.904	82	33.43	184
Juli 9	23.393	77	25.29	77	43.890	81	54.50	101	41.17	22	37.70	139	61.822	113	35.27	157
19	23.316	104	24.52	69	43.809	107	55.51	86	40.95	29	39.09	103	61.709	142	36.84	126
29	23.212	126	23.83	59	43.702	130	56.37	71	40.66	33	40.12	62	61.567	165	38.10	94
Aug. 8	23.086	144	23.24	51	43.572	147	57.08	53	40.33	36	40.74	20	61.402	184	39.04	58
18	22.942	155	22.73	39	43.425	159	57.61	35	39.97	39	40.94	25	61.218	196	39.62	22
28	22.787	160	22.34	27	43.266	162	57.96	16	39.58	39	40.69	69	61.022	200	39.84	16
Sept. 7	22.627	154	22.07	14	43.104	157	58.12	5	39.19	37	40.00	112	60.822	195	39.68	53
17	22.473	140	21.93	1	42.947	145	58.07	26	38.82	34	38.88	151	60.627	182	39.15	91
27	22.333	118	21.94	17	42.802	122	57.81	48	38.48	29	37.37	186	60.445	160	38.24	128
Okt. 7	22.215	86	22.11	35	42.680	91	57.33	72	38.19	22	35.51	212	60.285	128	36.96	163
17	22.129	48	22.46	54	42.589	53	56.61	95	37.97	13	33.39	233	60.157	89	35.33	197
27	22.081	3	23.00	75	42.536	9	55.66	119	37.84	3	31.06	242	60.068	43	33.36	226
Nov. 6	22.078	46	23.75	96	42.527	39	54.47	141	37.81	6	28.64	243	60.025	9	31.10	253
16	22.124	96	24.71	115	42.566	89	53.06	162	37.87	17	26.21	234	60.034	62	28.57	273
26	22.220	145	25.86	135	42.655	138	51.44	178	38.04	28	23.87	216	60.096	114	25.84	286
Dez. 6	22.365	191	27.21	149	42.793	184	49.66	192	38.32	37	21.71	189	60.210	167	22.98	292
16	22.556	231	28.70	160	42.977	224	47.74	198	38.69	45	19.82	155	60.377	212	20.06	289
26	22.787	262	30.30	166	43.201	257	45.76	198	39.14	52	18.27	117	60.589	251	17.17	276
36	23.049		31.96		43.458		43.78		39.66		17.10		60.840		14.41	
Mittl. Ort	19.790		19.75		40.421		57.78		34.38		18.18		58.687		32.83	
sec δ, tg δ	1.002		−0.057		1.003		+0.082		2.221		−1.983		1.123		+0.511	
a, *a′*	+3.1		−11.0		+3.0		−10.9		+5.3		−10.8		+2.5		−10.4	
b, *b′*	0.00		+ 0.83		0.00		+ 0.84		+0.07		+ 0.84		−0.02		+ 0.85	

*) Bei Stern 593) lies Mai 21.

Scheinbare Sternörter 1937

Tag		594) δ Scorpii AR.		594) δ Scorpii Dekl.		598) ϑ Draconis AR.		598) ϑ Draconis Dekl.		597) β Scorpii AR.		597) β Scorpii Dekl.		603) δ Ophiuchi AR.		603) δ Ophiuchi Dekl.	
1937		$15^h\ 56^m$		−22° 26′		$16^h\ 0^m$		+58° 43′		$16^h\ 1^m$		−19° 38′		$16^h\ 11^m$		−3° 32′	
Jan.	1	36.392	303	37.36	80	40.671	354	44.79	304	46.304	295	3.82	90	2.533	266	3.60	158
	11	36.695	325	38.16	93	41.025	408	41.75	260	46.599	316	4.72	100	2.799	289	5.18	155
	21	37.020	336	39.09	101	41.433	448	39.15	208	46.915	328	5.72	105	3.088	303	6.73	145
	31	37.356	340	40.10	105	41.881	472	37.07	147	47.243	333	6.77	106	3.391	309	8.18	129
Febr.	10	37.696	336	41.15	105	42.353	482	35.60	82	47.576	330	7.83	103	3.700	308	9.47	109
	20	38.032	326	42.20	101	42.835	477	34.78	14	47.906	321	8.86	96	4.008	302	10.56	84
März	2	38.358	311	43.21	93	43.312	456	34.64	54	48.227	307	9.82	86	4.310	289	11.40	58
	12	38.669	292	44.14	85	43.768	424	35.18	117	48.534	289	10.68	74	4.599	274	11.98	30
	22	38.961	271	44.99	75	44.192	382	36.35	175	48.823	269	11.42	61	4.873	255	12.28	3
Apr.	1	39.232	247	45.74	63	44.574	331	38.10	225	49.092	246	12.03	49	5.128	234	12.31	22
	11	39.479	222	46.37	54	44.905	272	40.35	267	49.338	222	12.52	37	5.362	212	12.09	44
	21	39.701	195	46.91	44	45.177	209	43.02	298	49.560	195	12.89	27	5.574	186	11.65	62
Mai	1	39.896	165	47.35	35	45.386	143	46.00	317	49.755	167	13.16	17	5.760	160	11.03	77
	11	40.061	135	47.70	29	45.529	76	49.17	327	49.922	137	13.33	10	5.920	131	10.26	87
	21	40.195	103	47.99	21	45.605	8	52.44	325	50.059	105	13.43	3	6.051	101	9.39	93
	30	(21) 40.298	68	48.20	16	(23) 45.613	59	55.69	313	(23) 50.164	71	13.46	2	(25) 6.152	69	8.46	96
Juni	9	40.366	32	48.36	10	45.554	122	58.82	294	50.235	37	13.44	6	6.221	36	7.50	96
	19	40.398	4	48.46	3	45.432	183	61.76	266	50.272	1	13.38	11	6.257	3	6.54	92
	29	40.394	38	48.49	3	45.249	238	64.42	230	50.273	35	13.27	15	6.260	32	5.62	86
Juli	9	40.356	73	48.46	9	45.011	288	66.72	191	50.238	68	13.12	19	6.228	63	4.76	80
	19	40.283	104	48.37	17	44.723	329	68.63	147	50.170	99	12.93	24	6.165	93	3.96	70
	29	40.179	131	48.20	24	44.394	364	70.10	98	50.071	126	12.69	29	6.072	120	3.26	62
Aug.	8	40.048	151	47.96	33	44.030	389	71.08	49	49.945	148	12.40	34	5.952	141	2.64	51
	18	39.897	166	47.63	41	43.641	404	71.57	3	49.797	163	12.06	39	5.811	156	2.13	41
	28	39.731	172	47.22	48	43.237	406	71.54	54	49.634	169	11.67	44	5.655	164	1.72	28
Sept.	7	39.559	167	46.74	53	42.831	397	71.00	105	49.465	167	11.23	46	5.491	163	1.44	16
	17	39.392	154	46.21	57	42.434	376	69.95	154	49.298	153	10.77	47	5.328	152	1.28	1
	27	39.238	130	45.64	57	42.058	341	68.41	200	49.145	131	10.30	46	5.176	133	1.27	13
Okt.	7	39.108	96	45.07	54	41.717	294	66.41	244	49.014	99	9.84	41	5.043	105	1.40	31
	17	39.012	55	44.53	48	41.423	235	63.97	283	48.915	58	9.43	33	4.938	68	1.71	49
	27	38.957	6	44.05	38	41.188	167	61.14	316	48.857	12	9.10	21	4.870	26	2.20	69
Nov.	6	38.951	47	43.67	23	41.021	89	57.98	342	48.845	40	8.89	7	4.844	23	2.89	88
	16	38.998	101	43.44	6	40.932	7	54.56	360	48.885	93	8.82	10	4.867	72	3.77	107
	26	39.099	153	43.38	14	40.925	78	50.96	367	48.978	146	8.92	28	4.939	121	4.84	125
Dez.	6	39.252	203	43.52	33	41.003	163	47.29	365	49.124	194	9.20	48	5.060	168	6.09	140
	16	39.455	247	43.85	52	41.166	242	43.64	351	49.318	237	9.68	66	5.228	211	7.49	151
	26	39.702	282	44.37	70	41.408	313	40.13	325	49.555	273	10.34	81	5.439	245	9.00	157
	36	39.984		45.07		41.721		36.88		49.828		11.15		5.684		10.57	
Mittl. Ort		36.239		38.70		42.362		58.90		46.175		4.57		2.510		0.95	
sec δ, tg δ		1.082		−0.413		1.927		+1.647		1.062		−0.357		1.002		−0.062	
a, *a′*		+3.5		−10.3		+1.2		−10.0		+3.5		−9.9		+3.1		−9.2	
b, *b′*		+0.01		+ 0.86		−0.05		+ 0.87		+0.01		+0.87		0.00		+0.89	

Tag	606) 19 Ursae min.				605) ε Ophiuchi				604) γ^2 Normae				608) τ Herculis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1937	$16^h\ 12^m$		+76° 1′		$16^h\ 14^m$		−4° 32′		$16^h\ 15^m$		−50° 0′		$16^h\ 17^m$		+46° 27′	
	s		″		s		″		s		″		s		″	
Jan. 1	30.31	59	58.92	302	59.136	265	28.08	152	6.821	395	4.10	65	49.739	283	33.61	307
11	30.90	71	55.90	257	59.401	288	29.60	149	7.216	430	3.45	33	50.022	325	30.54	270
21	31.61	82	53.33	204	59.689	302	31.09	140	7.646	452	3.12	1	50.347	355	27.84	225
31	32.43	90	51.29	143	59.991	309	32.49	126	8.098	464	3.11	—28	50.702	374	25.59	171
Febr. 10	33.33	93	49.86	78	60.300	309	33.75	106	8.562	465	3.39	56	51.076	383	23.88	110
20	34.26	94	49.08	9	60.609	303	34.81	83	9.027	458	3.95	81	51.459	381	22.78	48
März 2	35.20	92	48.99	—58	60.912	291	35.64	58	9.485	443	4.76	103	51.840	369	22.30	—17
12	36.12	86	49.57	123	61.203	276	36.22	31	9.928	422	5.79	121	52.209	349	22.47	79
22	36.98	77	50.80	181	61.479	259	36.53	5	10.350	397	7.00	138	52.558	321	23.26	138
Apr. 1	37.75	67	52.61	232	61.738	238	36.58	—19	10.747	366	8.38	151	52.879	286	24.64	189
11	38.42	53	54.93	273	61.976	215	36.39	41	11.113	332	9.89	161	53.165	248	26.53	232
21	38.95	40	57.66	304	62.191	191	35.98	59	11.445	294	11.50	169	53.413	205	28.85	267
Mai 1	39.35	24	60.70	323	62.382	164	35.39	73	11.739	252	13.19	173	53.618	159	31.52	290
11	39.59	9	63.93	333	62.546	136	34.66	83	11.991	206	14.92	175	53.777	110	34.42	305
21	39.68	—7	67.26	331	62.682	106	33.83	89	12.197	157	16.67	174	53.887	61	37.47	309
	26				26				26				27			
30	39.61	22	70.57	319	62.788	73	32.94	92	12.354	105	18.41	168	53.948	12	40.56	303
Juni 9	39.39	37	73.76	297	62.861	40	32.02	91	12.459	52	20.09	159	53.960	—37	43.59	289
19	39.02	49	76.73	269	62.901	7	31.11	88	12.511	—2	21.68	146	53.923	85	46.48	267
29	38.53	62	79.42	233	62.908	—28	30.23	84	12.509	57	23.14	129	53.838	131	49.15	238
Juli 9	37.91	73	81.75	192	62.880	60	29.39	77	12.452	109	24.43	107	53.707	173	51.53	205
19	37.18	81	83.67	147	62.820	91	28.62	69	12.343	156	25.50	82	53.534	210	53.58	165
29	36.37	88	85.14	98	62.729	118	27.93	61	12.187	198	26.32	53	53.324	241	55.23	123
Aug. 8	35.49	93	86.12	47	62.611	140	27.32	51	11.989	231	26.85	23	53.083	267	56.46	77
18	34.56	96	86.59	—6	62.471	155	26.81	41	11.758	253	27.08	—10	52.816	284	57.23	31
28	33.60	96	86.53	57	62.316	164	26.40	29	11.505	264	26.98	44	52.532	291	57.54	—18
Sept. 7	32.64	94	85.96	108	62.152	164	26.11	18	11.241	262	26.54	77	52.241	289	57.36	65
17	31.70	91	84.88	158	61.988	154	25.93	5	10.979	245	25.77	107	51.952	276	56.71	113
27	30.79	84	83.30	205	61.834	135	25.88	—9	10.734	213	24.70	134	51.676	253	55.58	159
Okt. 7	29.95	74	81.25	247	61.699	107	25.97	26	10.521	169	23.36	156	51.423	219	53.99	203
17	29.21	64	78.78	286	61.592	71	26.23	43	10.352	112	21.80	171	51.204	174	51.96	243
27	28.57	51	75.92	318	61.521	28	26.66	62	10.240	46	20.09	180	51.030	121	49.53	279
Nov. 6	28.06	35	72.74	344	61.493	—20	27.28	80	10.194	—26	18.29	180	50.909	62	46.74	307
16	27.71	19	69.30	361	61.513	69	28.08	100	10.220	102	16.49	174	50.847	—2	43.67	331
26	27.52	2	65.69	367	61.582	118	29.08	118	10.322	177	14.75	160	50.849	69	40.36	344
Dez. 6	27.50	—16	62.02	365	61.700	166	30.26	132	10.499	246	13.15	139	50.918	134	36.92	349
16	27.66	33	58.37	349	61.866	208	31.58	144	10.745	309	11.76	113	51.052	195	33.43	341
26	27.99	49	54.88	323	62.074	244	33.02	150	11.054	363	10.63	85	51.247	251	30.02	324
36	28.48		51.65		62.318		34.52		11.417		9.78		51.498		26.78	
Mittl. Ort	35.63		72.95		59.120		25.74		6.897		10.53		50.760		44.89	
sec δ, tg δ	4.144		+4.022		1.003		−0.079		1.556		−1.192		1.452		+1.052	
a, *a′*	−1.7		−9.1		+3.2		−8.9		+4.5		−8.9		+1.8		−8.6	
b, *b′*	−0.12		+0.89		0.00		+0.90		+0.04		+0.90		−0.03		+0.90	

Tag	609) γ Herculis AR.		609) γ Herculis Dekl.		615) η Draconis AR.		615) η Draconis Dekl.		611) γ Apodis AR.		611) γ Apodis Dekl.		616) α Scorpii AR.		616) α Scorpii Dekl.	
1937	16h 19m		+19° 17′		16h 23m		+61° 38′		16h 23m		−78° 45′		16h 25m		−26° 17′	
	s		″		s		″		s		″		s		″	
Jan. 1	8.112	252	52.39	244	5.84	34	70.89	318	41.17	107	24.94	190	32.480	291	35.97	42
11	8.364	279	49.95	224	6.18	40	67.71	278	42.24	121	23.04	146	32.771	317	36.39	56
21	8.643	297	47.71	196	6.58	46	64.93	228	43.45	130	21.58	99	33.088	334	36.95	67
31	8.940	308	45.75	159	7.04	49	62.65	170	44.75	136	20.59	50	33.422	343	37.62	74
Febr. 10	9.248	310	44.16	116	7.53	51	60.95	106	46.11	139	20.09	1	33.765	344	38.36	78
20	9.558	306	43.00	71	8.04	52	59.89	38	47.50	139	20.08	47	34.109	340	39.14	78
März 2	9.864	295	42.29	24	8.56	50	59.51	31	48.89	137	20.55	92	34.449	329	39.92	76
12	10.159	280	42.05	25	9.06	48	59.82	96	50.26	131	21.47	133	34.778	315	40.68	72
22	10.439	260	42.30	69	9.54	44	60.78	157	51.57	123	22.80	172	35.093	298	41.40	66
Apr. 1	10.699	238	42.99	110	9.98	38	62.35	211	52.80	113	24.52	205	35.391	276	42.06	60
11	10.937	213	44.09	145	10.36	33	64.46	257	53.93	101	26.57	234	35.667	254	42.66	54
21	11.150	185	45.54	173	10.69	26	67.03	292	54.94	88	28.91	258	35.921	229	43.20	48
Mai 1	11.335	156	47.27	194	10.95	19	69.95	316	55.82	72	31.49	277	36.150	199	43.68	44
11	11.491	124	49.21	208	11.14	12	73.11	330	56.54	57	34.26	288	36.349	169	44.12	40
21	11.615	90	51.29	215	11.26	4	76.41	333	57.11	39	37.14	294	36.518	135	44.52	36
30	27 11.705	56	53.44	214	28 11.30	3	79.74	326	28 57.50	20	40.08	292	29 36.653	100	44.88	32
Juni 9	11.761	21	55.58	207	11.27	11	83.00	310	57.70	2	43.00	284	36.753	61	45.20	28
19	11.782	14	57.65	195	11.16	18	86.10	285	57.72	16	45.84	267	36.814	23	45.48	24
29	11.768	50	59.60	177	10.98	24	88.95	253	57.56	35	48.51	244	36.837	18	45.72	19
Juli 9	11.718	83	61.37	155	10.74	30	91.48	216	57.21	51	50.95	214	36.819	55	45.91	12
19	11.635	114	62.92	131	10.44	36	93.64	173	56.70	66	53.09	177	36.764	92	46.03	4
29	11.521	141	64.23	104	10.08	39	95.37	126	56.04	79	54.86	133	36.672	124	46.07	5
Aug. 8	11.380	163	65.27	75	9.69	43	96.63	77	55.25	89	56.19	85	36.548	150	46.02	15
18	11.217	179	66.02	43	9.26	45	97.40	26	54.36	96	57.04	33	36.398	170	45.87	25
28	11.038	187	66.45	12	8.81	46	97.66	27	53.40	99	57.37	21	36.228	181	45.62	37
Sept. 7	10.851	187	66.57	21	8.35	45	97.39	78	52.41	98	57.16	76	36.047	182	45.25	46
17	10.664	178	66.36	54	7.90	44	96.61	128	51.43	92	56.40	128	35.865	173	44.79	54
27	10.486	160	65.82	87	7.46	41	95.33	178	50.51	83	55.12	177	35.692	153	44.25	60
Okt. 7	10.326	132	64.95	120	7.05	36	93.55	224	49.68	69	53.35	220	35.539	122	43.65	64
17	10.194	97	63.75	151	6.69	30	91.31	265	48.99	52	51.15	255	35.417	82	43.01	62
27	10.097	54	62.24	180	6.39	23	88.66	302	48.47	32	48.60	281	35.335	35	42.39	58
Nov. 6	10.043	6	60.44	207	6.16	15	85.64	332	48.15	10	45.79	297	35.300	17	41.81	49
16	10.037	44	58.37	229	6.01	7	82.32	354	48.05	12	42.82	301	35.317	73	41.32	36
26	10.081	95	56.08	246	5.94	3	78.78	366	48.17	36	39.81	294	35.390	128	40.96	21
Dez. 6	10.176	145	53.62	257	5.97	12	75.12	368	48.53	58	36.87	277	35.518	180	40.75	4
16	10.321	190	51.05	259	6.09	21	71.44	359	49.11	78	34.10	251	35.698	227	40.71	15
26	10.511	228	48.46	253	6.30	29	67.85	337	49.89	97	31.59	215	35.925	266	40.86	31
36	10.739		45.93		6.59		64.48		50.86		29.44		36.191		41.17	
Mittl. Ort	8.374		59.34		8.00		83.18		43.52		34.26		32.431		38.13	
sec δ, tg δ	1.060		+0.350		2.106		+1.854		5.130		−5.032		1.115		−0.494	
a, *a′*	+2.6		−8.5		+0.8		−8.2		+9.2		−8.2		+3.7		−8.0	
b, *b′*	−0.01		+0.90		−0.05		+0.91		+0.14		+0.91		+0.01		+0.92	

Tag	618) β Herculis AR.	Diff.	618) β Herculis Dekl.	Diff.	619) *A* Draconis AR.	Diff.	619) *A* Draconis Dekl.	Diff.	621) σ Herculis AR.	Diff.	621) σ Herculis Dekl.	Diff.	622) ζ Ophiuchi AR.	Diff.	622) ζ Ophiuchi Dekl.	Diff.
1937	16h 27m		+21° 37′		16h 28m		+68° 53′		16h 32m		+42° 33′		16h 33m		−10° 26′	
	s		″		s		″		s		″		s		″	
Jan. 1	30.308	245	25.25	253	2.48	40	63.92	319	3.363	259	47.82	307	41.232	258	28.56	117
11	30.553	274	22.72	231	2.88	49	60.73	278	3.622	300	44.75	274	41.490	283	29.73	119
21	30.827	295	20.41	202	3.37	56	57.95	228	3.922	330	42.01	233	41.773	300	30.92	115
31	31.122	307	18.39	164	3.93	61	55.67	170	4.252	350	39.68	182	42.073	309	32.07	106
Febr. 10	31.429	311	16.75	121	4.54	64	53.97	105	4.602	361	37.86	124	42.382	312	33.13	94
20	31.740	308	15.54	73	5.18	66	52.92	37	4.963	362	36.62	64	42.694	309	34.07	77
März 2	32.048	300	14.81	23	5.84	65	52.55	32	5.325	354	35.98	1	43.003	301	34.84	58
12	32.348	285	14.58	26	6.49	61	52.87	98	5.679	338	35.97	61	43.304	289	35.42	37
22	32.633	267	14.84	73	7.10	56	53.85	159	6.017	314	36.58	119	43.593	273	35.79	17
Apr. 1	32.900	245	15.57	115	7.66	49	55.44	214	6.331	286	37.77	171	43.866	255	35.96	4
11	33.145	221	16.72	153	8.15	42	57.58	259	6.617	253	39.48	216	44.121	235	35.92	20
21	33.366	193	18.25	183	8.57	33	60.17	295	6.870	214	41.64	252	44.356	211	35.72	36
Mai 1	33.559	163	20.08	205	8.90	23	63.12	320	7.084	174	44.16	279	44.567	186	35.36	47
11	33.722	130	22.13	219	9.13	13	66.32	334	7.258	129	46.95	295	44.753	158	34.89	55
21	33.852	97	24.32	227	9.26	3	69.66	337	7.387	85	49.90	302	44.911	128	34.34	61
30*)	29 33.949	62	26.59	227	29 9.29	7	73.03	329	30 7.472	37	52.92	300	45.039	95	33.73	63
Juni 9	34.011	25	28.86	220	9.22	17	76.32	314	7.509	9	55.92	289	31 45.134	61	33.10	64
19	34.036	12	31.06	207	9.05	27	79.46	288	7.500	55	58.81	270	45.195	25	32.46	62
29	34.024	47	33.13	189	8.78	35	82.34	257	7.445	100	61.51	245	45.220	12	31.84	59
Juli 9	33.977	82	35.02	167	8.43	42	84.91	218	7.345	142	63.96	214	45.208	46	31.25	56
19	33.895	115	36.69	141	8.01	49	87.09	175	7.203	179	66.10	177	45.162	80	30.69	51
29	33.780	143	38.10	112	7.52	55	88.84	128	7.024	214	67.87	137	45.082	111	30.18	47
Aug. 8	33.637	166	39.22	82	6.97	59	90.12	78	6.810	239	69.24	95	44.971	136	29.71	42
18	33.471	183	40.04	49	6.38	62	90.90	26	6.571	259	70.19	50	44.835	155	29.29	37
28	33.288	193	40.53	15	5.76	63	91.16	26	6.312	269	70.69	3	44.680	166	28.92	32
Sept. 7	33.095	194	40.68	19	5.13	63	90.90	78	6.043	271	70.72	44	44.514	169	28.60	26
17	32.901	187	40.49	55	4.50	60	90.12	129	5.772	262	70.28	90	44.345	162	28.34	18
27	32.714	169	39.94	89	3.90	57	88.83	178	5.510	241	69.38	136	44.183	145	28.16	10
Okt. 7	32.545	142	39.05	123	3.33	51	87.05	225	5.269	212	68.02	180	44.038	119	28.06	1
17	32.403	108	37.82	156	2.82	43	84.80	267	5.057	171	66.22	220	43.919	85	28.07	13
27	32.295	65	36.26	186	2.39	35	82.13	303	4.886	123	64.02	257	43.834	42	28.20	27
Nov. 6	32.230	18	34.40	214	2.04	25	79.10	333	4.763	67	61.45	289	43.792	5	28.47	43
16	32.212	33	32.26	237	1.79	13	75.77	354	4.696	8	58.56	314	43.797	55	28.90	60
26	32.245	84	29.89	255	1.66	2	72.23	368	4.688	55	55.42	330	43.852	105	29.50	76
Dez. 6	32.329	135	27.34	265	1.64	11	68.55	369	4.743	116	52.12	338	43.957	153	30.26	91
16	32.464	180	24.69	268	1.75	22	64.86	359	4.859	175	48.74	335	44.110	198	31.17	103
26	32.644	222	22.01	262	1.97	33	61.27	338	5.034	228	45.39	321	44.308	234	32.20	113
36	32.866		19.39		2.30		57.89		5.262		42.18		44.542		33.33	
Mittl. Ort	30.640		32.14		5.80		76.14		4.285		57.45		41.243		27.80	
sec δ, tg δ	1.076		+0.396		2.778		+2.592		1.358		+0.918		1.017		−0.184	
a, *a′*	+2.6		−7.9		−0.1		−7.8		+1.9		−7.5		+3.3		−7.4	
b, *b′*	−0.01		+0.92		−0.07		+0.92		−0.02		+0.93		0.00		+0.93	

*) Bei Stern 622) lies Mai 31.

Scheinbare Sternörter 1937

Tag	626) η Herculis AR.		626) η Herculis Dekl.		625) α Triang. austr. AR.		625) α Triang. austr. Dekl.	
1937	$16^h\ 40^m$		$+39^\circ\ 2'$		$16^h\ 41^m$		$-68^\circ\ 54'$	
Jan. 1	$43^s.309$	245	$19''.48$	303	$57^s.46$	59	$46''.25$	176
11	43.554	284	16.45	273	58.05	67	44.49	138
21	43.838	314	13.72	235	58.72	72	43.11	98
31	44.152	334	11.37	187	59.44	76	42.13	56
Febr. 10	44.486	345	9.50	132	60.20	78	41.57	15
20	44.831	347	8.18	73	60.98	78	41.42	27
März 2	45.178	342	7.45	12	61.76	78	41.69	65
12	45.520	328	7.33	48	62.54	75	42.34	101
22	45.848	308	7.81	106	63.29	71	43.35	134
Apr. 1	46.156	282	8.87	158	64.00	67	44.69	164
11	46.438	253	10.45	202	64.67	61	46.33	191
21	46.691	219	12.47	239	65.28	54	48.24	213
Mai 1	46.910	181	14.86	267	65.82	47	50.37	230
11	47.091	140	17.53	285	66.29	39	52.67	243
21	47.231	98	20.38	294	66.68	29	55.10	251
31	$_2$47.329	54	23.32	293	$_2$66.97	20	57.61	252
Juni 9	47.383	9	26.25	285	67.17	10	60.13	248
19	47.392	35	29.10	268	67.27	0	62.61	237
29	47.357	79	31.78	244	67.27	10	64.98	219
Juli 9	47.278	121	34.22	215	67.17	20	67.17	194
19	47.157	158	36.37	182	66.97	29	69.11	164
29	46.999	191	38.19	144	66.68	37	70.75	129
Aug. 8	46.808	219	39.63	103	66.31	43	72.04	88
18	46.589	240	40.66	59	65.88	49	72.92	42
28	46.349	252	41.25	15	65.39	51	73.34	5
Sept. 7	46.097	255	41.40	30	64.88	51	73.29	53
17	45.842	247	41.10	76	64.37	50	72.76	101
27	45.595	230	40.34	120	63.87	45	71.75	145
Okt. 7	45.365	203	39.14	163	63.42	38	70.30	185
17	45.162	165	37.51	204	63.04	29	68.45	218
27	44.997	119	35.47	241	62.75	19	66.27	243
Nov. 6	44.878	67	33.06	273	62.56	7	63.84	259
16	44.811	10	30.33	299	62.49	5	61.25	266
26	44.801	49	27.34	318	62.54	19	58.59	261
Dez. 6	44.850	108	24.16	327	62.73	31	55.98	248
16	44.958	163	20.89	327	63.04	43	53.50	226
26	45.121	215	17.62	315	63.47	52	51.24	197
36	45.336		14.47		63.99		49.27	
Mittl. Ort	44.135		27.99		58.44		54.06	
sec δ, tg δ	1.288		+0.811		2.780		−2.594	
a, a'	+2.1		−6.8		+6.3		−6.7	
b, b'	−0.02		+0.94		+0.06		+0.94	

Tag	627) Grb 2377 AR.		627) Grb 2377 Dekl.		628) ε Scorpii AR.		628) ε Scorpii Dekl.	
1937	$16^h\ 44^m$		$+56^\circ\ 53'$		$16^h\ 46^m$		$-34^\circ\ 10'$	
Jan. 1	$4^s.166$	281	$27''.64$	327	$4^s.618$	293	$46''.88$	13
11	4.447	341	24.37	293	4.911	325	46.75	4
21	4.788	389	21.44	248	5.236	347	46.79	21
31	5.177	426	18.96	193	5.583	360	47.00	35
Febr. 10	5.603	447	17.03	132	5.943	366	47.35	46
20	6.050	457	15.71	66	6.309	365	47.81	55
März 2	6.507	452	15.05	1	6.674	358	48.36	61
12	6.959	435	15.06	68	7.032	347	48.97	66
22	7.394	407	15.74	131	7.379	331	49.63	69
Apr. 1	7.801	370	17.05	187	7.710	312	50.32	71
11	8.171	324	18.92	236	8.022	291	51.03	72
21	8.495	270	21.28	276	8.313	264	51.75	74
Mai 1	8.765	213	24.04	305	8.577	235	52.49	74
11	8.978	152	27.09	323	8.812	203	53.23	75
21	9.130	87	30.32	332	9.015	166	53.98	75
31	$_3$9.217	21	33.64	330	$_3$9.181	127	54.73	74
Juni 9	9.238	43	36.94	319	9.308	86	55.47	72
19	9.195	107	40.13	299	9.394	41	56.19	67
29	9.088	167	43.12	272	9.435	3	56.86	61
Juli 9	8.921	224	45.84	238	9.432	47	57.47	53
19	8.697	274	48.22	199	9.385	89	58.00	42
29	8.423	318	50.21	155	9.296	127	58.42	28
Aug. 8	8.105	353	51.76	108	9.169	159	58.70	13
18	7.752	378	52.84	58	9.010	184	58.83	4
28	7.374	393	53.42	8	8.826	200	58.79	22
Sept. 7	6.981	396	53.50	43	8.626	205	58.57	40
17	6.585	386	53.07	95	8.421	198	58.17	56
27	6.199	363	52.12	145	8.223	180	57.61	71
Okt. 7	5.836	328	50.67	192	8.043	151	56.90	84
17	5.508	280	48.75	237	7.892	110	56.06	91
27	5.228	220	46.38	277	7.782	61	55.15	94
Nov. 6	5.008	152	43.61	310	7.721	6	54.21	93
16	4.856	77	40.51	337	7.715	52	53.28	86
26	4.779	3	37.14	355	7.767	111	52.42	75
Dez. 6	4.782	85	33.59	362	7.878	169	51.67	60
16	4.867	163	29.97	358	8.047	220	51.07	44
26	5.030	238	26.39	343	8.267	265	50.63	25
36	5.268		22.96		8.532		50.38	
Mittl. Ort	5.998		37.57		4.659		50.23	
sec δ, tg δ	1.831		+1.534		1.209		−0.679	
a, a'	+1.1		−6.5		+3.9		−6.4	
b, b'	−0.03		+0.95		+0.01		+0.95	

Tag	629) 49 Herculis AR.		629) Dekl.		630) ζ² Scorpii AR.		630) Dekl.		631) ζ Arae AR.		631) Dekl.		633) κ Ophiuchi AR.		633) Dekl.	
1937	$16^h 49^m$		+15° 4′		$16^h 5c^m$		−42° 15′		$16^h 53^m$		−55° 53′		$16^h 54^m$		+9° 28′	
Jan. 1	12.402	228	37.88	229	8.463	319	14.91	59	23.503	395	28.63	131	40.861	225	14.02	205
11	12.630	257	35.59	214	8.782	355	14.32	37	23.898	444	27.32	101	41.086	253	11.97	193
21	12.887	279	33.45	190	9.137	380	13.95	14	24.342	480	26.31	70	41.339	275	10.04	174
31	13.166	293	31.55	159	9.517	397	13.81	6	24.822	505	25.61	38	41.614	289	8.30	148
Febr. 10	13.459	301	29.96	123	9.914	405	13.87	26	25.327	518	25.23	7	41.903	296	6.82	117
20	13.760	301	28.73	81	10.319	405	14.13	43	25.845	521	25.16	23	42.199	297	5.65	80
März 2	14.061	296	27.92	36	10.724	399	14.56	57	26.366	515	25.39	51	42.496	294	4.85	40
12	14.357	287	27.56	8	11.123	387	15.13	70	26.881	502	25.90	76	42.790	285	4.45	1
22	14.644	273	27.64	51	11.510	371	15.83	82	27.383	481	26.66	101	43.075	272	4.44	38
Apr. 1	14.917	254	28.15	91	11.881	350	16.65	91	27.864	455	27.67	122	43.347	256	4.82	74
11	15.171	234	29.06	126	12.231	326	17.56	99	28.319	422	28.89	141	43.603	236	5.56	105
21	15.405	211	30.32	155	12.557	298	18.55	106	28.741	384	30.30	157	43.839	215	6.61	132
Mai 1	15.616	184	31.87	178	12.855	265	19.61	112	29.125	339	31.87	171	44.054	190	7.93	153
11	15.800	154	33.65	194	13.120	228	20.73	116	29.464	290	33.58	181	44.244	161	9.46	168
21	15.954	122	35.59	202	13.348	187	21.89	119	29.754	235	35.39	187	44.405	131	11.14	176
31	16.076	89	37.61	204	13.535	143	23.08	119	29.989	175	37.26	190	44.536	98	12.90	179
Juni 9	^{4}16.165	53	39.65	201	^{4}13.678	97	24.27	117	^{5}30.164	111	39.16	187	^{5}44.634	63	14.69	176
19	16.218	17	41.66	191	13.775	46	25.44	111	30.275	46	41.03	181	44.697	27	16.45	168
29	16.235	21	43.57	177	13.821	4	26.55	102	30.321	21	42.84	169	44.724	11	18.13	156
Juli 9	16.214	56	45.34	159	13.817	53	27.57	91	30.300	85	44.53	151	44.713	46	19.69	141
19	16.158	91	46.93	138	13.764	100	28.48	76	30.215	148	46.04	128	44.667	81	21.10	124
29	16.067	122	48.31	113	13.664	143	29.24	56	30.067	203	47.32	102	44.586	113	22.34	103
Aug. 8	15.945	148	49.44	88	13.521	179	29.80	35	29.864	250	48.34	70	44.473	139	23.37	81
18	15.797	169	50.32	60	13.342	208	30.15	11	29.614	286	49.04	36	44.334	160	24.18	59
28	15.628	182	50.92	32	13.134	225	30.26	14	29.328	309	49.40	2	44.174	175	24.77	34
Sept. 7	15.446	186	51.24	2	12.909	231	30.12	40	29.019	317	49.38	40	43.999	181	25.11	9
17	15.260	182	51.26	29	12.678	225	29.72	65	28.702	309	48.98	77	43.818	177	25.20	17
27	15.078	169	50.97	58	12.453	205	29.07	88	28.393	284	48.21	113	43.641	164	25.03	42
Okt. 7	14.909	145	50.39	90	12.248	173	28.19	107	28.109	242	47.08	144	43.477	142	24.61	69
17	14.764	114	49.49	119	12.075	129	27.12	122	27.867	186	45.64	170	43.335	111	23.92	95
27	14.650	75	48.30	148	11.946	76	25.90	132	27.681	118	43.94	190	43.224	73	22.97	120
Nov. 6	14.575	29	46.82	174	11.870	15	24.58	135	27.563	41	42.04	202	43.151	29	21.77	146
16	14.546	18	45.08	197	11.855	50	23.23	133	27.522	43	40.02	206	43.122	19	20.31	167
26	14.564	69	43.11	216	11.905	115	21.90	125	27.565	128	37.96	202	43.141	68	18.64	185
Dez. 6	14.633	117	40.95	229	12.020	179	20.65	111	27.693	209	35.94	190	43.209	116	16.79	199
16	14.750	163	38.66	236	12.199	236	19.54	94	27.902	286	34.04	171	43.325	160	14.80	207
26	14.913	203	36.30	235	12.435	288	18.60	73	28.188	352	32.33	148	43.485	200	12.73	208
36	15.116		33.95		12.723		17.87		28.540		30.85		43.685		10.65	
Mittl. Ort	12.697		42.51		8.579		19.37		23.886		34.70		41.096		17.54	
sec δ, tg δ	1.036		+0.269		1.351		−0.909		1.783		−1.477		1.014		+0.167	
a, *a′*	+2.7		−6.1		+4.2		−6.0		+5.0		−5.7		+2.9		−5.6	
b, *b′*	−0.01		+0.95		+0.02		+0.95		+0.03		+0.96		0.00		+0.96	

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Tag	634) ε Herculis AR.		634) ε Herculis Dekl.		637) η Ophiuchi AR.		637) η Ophiuchi Dekl.		639) ζ Draconis AR.		639) ζ Draconis Dekl.		640) α Herculis AR.		640) α Herculis Dekl.	
1937	$16^h\ 57^m$		+31° 0′		$17^h\ 6^m$		−15° 38′		$17^h\ 8^m$		+65° 47′		$17^h\ 11^m$		+14° 27′	
	s		″		s		″		s		″		s		″	
Jan. 1	52.072	221	58.57	285	45.673	238	54.44	74	32.97	28	23.75	339	46.079	209	35.14	224
11	52.293	258	55.72	263	45.911	267	55.18	78	33.25	36	20.36	309	46.288	240	32.90	211
21	52.551	285	53.09	229	46.178	289	55.96	78	33.61	44	17.27	267	46.528	264	30.79	190
31	52.836	306	50.80	189	46.467	304	56.74	75	34.05	51	14.60	214	46.792	282	28.89	161
Febr. 10	53.142	318	48.91	140	46.771	312	57.49	67	34.56	55	12.46	155	47.074	293	27.28	125
20	53.460	322	47.51	86	47.083	314	58.16	56	35.11	57	10.91	90	47.367	297	26.03	85
März 2	53.782	319	46.65	31	47.397	312	58.72	43	35.68	58	10.01	22	47.664	297	25.18	42
12	54.101	310	46.34	26	47.709	304	59.15	28	36.26	57	9.79	47	47.961	291	24.76	2
22	54.411	296	46.60	80	48.013	294	59.43	12	36.83	54	10.26	111	48.252	280	24.78	46
Apr. 1	54.707	277	47.40	131	48.307	280	59.55	2	37.37	50	11.37	172	48.532	266	25.24	86
11	54.984	252	48.71	174	48.587	264	59.53	15	37.87	44	13.09	225	48.798	249	26.10	122
21	55.236	225	50.45	211	48.851	243	59.38	25	38.31	38	15.34	268	49.047	227	27.32	152
Mai 1	55.461	194	52.56	240	49.094	220	59.13	34	38.69	30	18.02	303	49.274	203	28.84	177
11	55.655	159	54.96	259	49.314	194	58.79	39	38.99	22	21.05	326	49.477	176	30.61	194
21	55.814	121	57.55	271	49.508	164	58.40	42	39.21	13	24.31	339	49.653	144	32.55	204
31	55.935	83	60.26	273	49.672	131	57.98	43	39.34	4	27.70	342	49.797	110	34.59	208
Juni 9*)	[6] 56.018	42	62.99	268	[8] 49.803	95	57.55	42	[9] 39.38	5	31.12	336	49.907	74	36.67	205
19	56.060	0	65.67	255	49.898	56	57.13	40	39.33	14	34.48	319	[10] 49.981	37	38.72	198
29	56.060	42	68.22	237	49.954	17	56.73	38	39.19	22	37.67	295	50.018	1	40.70	185
Juli 9	56.018	82	70.59	212	49.971	22	56.35	34	38.97	30	40.62	264	50.017	40	42.55	168
19	55.936	119	72.71	183	49.949	60	56.01	31	38.67	37	43.26	227	49.977	76	44.23	147
29	55.817	153	74.54	150	49.889	95	55.70	29	38.30	43	45.53	185	49.901	110	45.70	124
Aug. 8	55.664	182	76.04	114	49.794	126	55.41	27	37.87	48	47.38	138	49.791	139	46.94	99
18	55.482	205	77.18	76	49.668	151	55.14	25	37.39	53	48.76	90	49.652	163	47.93	72
28	55.277	220	77.94	36	49.517	168	54.89	25	36.86	55	49.66	38	49.489	180	48.65	43
Sept. 7	55.057	226	78.30	5	49.349	176	54.64	23	36.31	55	50.04	14	49.309	188	49.08	15
17	54.831	222	78.25	47	49.173	174	54.41	22	35.76	56	49.90	67	49.121	187	49.23	15
27	54.609	209	77.78	88	48.999	162	54.19	19	35.20	53	49.23	119	48.934	177	49.08	46
Okt. 7	54.400	186	76.90	128	48.837	141	54.00	14	34.67	49	48.04	168	48.757	157	48.62	76
17	54.214	153	75.62	167	48.696	109	53.86	9	34.18	44	46.36	216	48.600	128	47.86	105
27	54.061	112	73.95	203	48.587	69	53.77	1	33.74	37	44.20	260	48.472	92	46.81	135
Nov. 6	53.949	66	71.92	236	48.518	23	53.76	10	33.37	29	41.60	297	48.380	48	45.46	161
16	53.883	13	69.56	263	48.495	25	53.86	21	33.08	20	38.63	328	48.332	2	43.85	185
26	53.870	41	66.93	283	48.520	77	54.07	35	32.88	9	35.35	350	48.330	46	42.00	205
Dez. 6	53.911	95	64.10	296	48.597	126	54.42	47	32.79	1	31.85	362	48.376	96	39.95	220
16	54.006	146	61.14	301	48.723	172	54.89	59	32.80	11	28.23	364	48.472	141	37.75	228
26	54.152	192	58.13	294	48.895	212	55.48	69	32.91	22	24.59	352	48.613	182	35.47	228
36	54.344		55.19		49.107		56.17		33.13		21.07		48.795		33.19	
Mittl. Ort	52.712		64.81		45.754		54.97		36.02		31.65		46.423		38.52	
sec δ, tg δ	1.167		+0.601		1.038		−0.280		2.439		+2.224		1.033		+0.258	
a, a'	+2.3		−5.4		+3.4		−4.6		+0.2		−4.5		+2.7		−4.2	
b, b'	−0.01		+0.96		0.00		+0.97		−0.03		+0.97		0.00		+0.98	

*) Bei Stern 640) lies Juni 10.

Tag	641) δ Herculis AR.		641) δ Herculis Dekl.		643) π Herculis AR.		643) π Herculis Dekl.		644) ϑ Ophiuchi AR.		644) ϑ Ophiuchi Dekl.		645) β Arae AR.		645) β Arae Dekl.	
1937	$17^h\ 12^m$		$+24°\ 54'$		$17^h\ 12^m$		$+36°\ 52'$		$17^h\ 18^m$		$-24°\ 56'$		$17^h\ 20^m$		$-55°\ 28'$	
Jan. 1	$26^s.056$	206	$39''.60$	266	$50^s.268$	208	$39''.03$	303	$8^s.165$	243	$16''.57$	15	$2^s.961$	354	$17''.04$	153
11	26.262	241	36.94	248	50.476	250	36.00	281	8.408	275	16.72	25	3.315	407	15.51	128
21	26.503	269	34.46	221	50.726	283	33.19	247	8.683	300	16.97	32	3.722	450	14.23	101
31	26.772	289	32.25	185	51.009	309	30.72	204	8.983	317	17.29	36	4.172	480	13.22	72
Febr. 10	27.061	301	30.40	142	51.318	325	28.68	154	9.300	328	17.65	37	4.652	500	12.50	43
20	27.362	308	28.98	93	51.643	335	27.14	98	9.628	332	18.02	36	5.152	511	12.07	14
März 2	27.670	308	28.05	41	51.978	335	26.16	38	9.960	331	18.38	32	5.663	512	11.93	$\overline{12}$
12	27.978	302	27.64	$\overline{11}$	52.313	330	25.78	$\overline{21}$	10.291	326	18.70	28	6.175	505	12.05	39
22	28.280	291	27.75	63	52.643	316	25.99	80	10.617	317	18.98	22	6.680	492	12.44	64
Apr. 1	28.571	275	28.38	110	52.959	298	26.79	134	10.934	304	19.20	16	7.172	472	13.08	87
11	28.846	256	29.48	152	53.257	275	28.13	182	11.238	288	19.36	12	7.644	445	13.95	108
21	29.102	232	31.00	188	53.532	246	29.95	222	11.526	268	19.48	9	8.089	412	15.03	127
Mai 1	29.334	204	32.88	216	53.778	212	32.17	254	11.794	245	19.57	7	8.501	372	16.30	145
11	29.538	174	35.04	237	53.990	177	34.71	278	12.039	217	19.64	6	8.873	327	17.75	158
21	29.712	140	37.41	249	54.167	136	37.49	291	12.256	186	19.70	7	9.200	274	19.33	170
31	29.852	103	39.90	253	54.303	93	40.40	296	12.442	152	19.77	8	9.474	216	21.03	178
Juni 10	29.955	64	42.43	250	54.396	49	43.36	292	12.594	113	19.85	10	9.690	154	22.81	180
19	[10] 30.019	24	44.93	241	[10] 54.445	3	46.28	281	[11] 12.707	72	19.95	12	[12] 9.844	88	24.61	179
29	30.043	$\overline{16}$	47.34	225	54.448	$\overline{41}$	49.09	262	12.779	30	20.07	12	9.932	20	26.40	173
Juli 9	30.027	56	49.59	204	54.407	86	51.71	237	12.809	$\overline{13}$	20.19	13	9.952	$\overline{47}$	28.13	160
19	29.971	95	51.63	178	54.321	127	54.08	207	12.796	55	20.32	11	9.905	113	29.73	143
29	29.876	129	53.41	150	54.194	165	56.15	172	12.741	94	20.43	7	9.792	174	31.16	121
Aug. 8	29.747	159	54.91	117	54.029	197	57.87	134	12.647	128	20.50	2	9.618	226	32.37	93
18	29.588	183	56.08	83	53.832	224	59.21	94	12.519	156	20.52	$\overline{4}$	9.392	269	33.30	61
28	29.405	201	56.91	48	53.608	241	60.15	50	12.363	176	20.48	11	9.123	300	33.91	26
Sept. 7	29.204	209	57.39	10	53.367	250	60.65	6	12.187	187	20.37	20	8.823	315	34.17	$\overline{11}$
17	28.995	208	57.49	$\overline{27}$	53.117	249	60.71	$\overline{39}$	12.000	187	20.17	27	8.508	315	34.06	49
27	28.787	198	57.22	65	52.868	237	60.32	83	11.813	176	19.90	35	8.193	299	33.57	85
Okt. 7	28.589	178	56.57	102	52.631	216	59.49	127	11.637	155	19.55	40	7.894	265	32.72	119
17	28.411	148	55.55	139	52.415	184	58.22	170	11.482	122	19.15	43	7.629	216	31.53	149
27	28.263	110	54.16	173	52.231	143	56.52	209	11.360	82	18.72	43	7.413	153	30.04	173
Nov. 6	28.153	66	52.43	205	52.088	96	54.43	244	11.278	35	18.29	40	7.260	81	28.31	191
16	28.087	17	50.38	232	51.992	42	51.99	275	11.243	$\overline{17}$	17.89	34	7.179	2	26.40	200
26	28.070	$\overline{34}$	48.06	254	51.950	$\overline{14}$	49.24	297	11.260	71	17.55	25	7.177	$\overline{81}$	24.40	202
Dez. 6	28.104	84	45.52	268	51.964	70	46.27	312	11.331	123	17.30	14	7.258	163	22.38	197
16	28.188	134	42.84	275	52.034	126	43.15	318	11.454	172	17.16	3	7.421	240	20.41	185
26	28.322	178	40.09	273	52.160	177	39.97	312	11.626	215	17.13	$\overline{9}$	7.661	310	18.56	166
36	28.500		37.36		52.337		36.85		11.841		17.22		7.971		16.90	
Mittl. Ort	26.590		44.14		51.127		44.73		8.265		18.36		3.437		22.11	
sec δ, tg δ	1.103		+0.464		1.250		+0.750		1.103		—0.465		1.764		—1.454	
a, *a′*	+2.5		—4.1		+2.1		—4.1		+3.7		—3.6		+5.0		—3.5	
b, *b′*	—0.01		+0.98		—0.01		+0.98		+0.01		+0.98		+0.02		+0.98	

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Tag		648) δ Arae AR.	Δ	Dekl.	Δ	651) α Arae AR.	Δ	Dekl.	Δ
1937		$17^h\ 25^m$		$-60°\ 37'$		$17^h\ 26^m$		$-49°\ 49'$	
Jan.	1	23.68 s	39	56.20″	182	57.691 s	310	38.78″	129
	11	24.07	46	54.38	157	58.001	359	37.49	109
	21	24.53	50	52.81	127	58.360	396	36.40	85
	31	25.03	54	51.54	95	58.756	423	35.55	62
Febr.	10	25.57	56	50.59	63	59.179	442	34.93	38
	20	26.13	58	49.96	30	59.621	452	34.55	15
März	2	26.71	59	49.66	2	60.073	454	34.40	8
	12	27.30	58	49.68	32	60.527	450	34.48	28
	22	27.88	56	50.00	62	60.977	439	34.76	48
Apr.	1	28.44	54	50.62	89	61.416	423	35.24	67
	11	28.98	52	51.51	115	61.839	401	35.91	84
	21	29.50	47	52.66	139	62.240	374	36.75	100
Mai	1	29.97	43	54.05	159	62.614	341	37.75	115
	11	30.40	38	55.64	176	62.955	303	38.90	128
	21	30.78	31	57.40	190	63.258	258	40.18	138
	31	31.09	25	59.30	200	63.516	207	41.56	145
Juni	10	31.34	18	61.30	205	[13] 63.723	153	43.01	150
	19	[13] 31.52	10	63.35	204	63.876	96	44.51	150
	29	31.62	2	65.39	197	63.972	35	46.01	146
Juli	9	31.64	6	67.36	185	64.007	25	47.47	137
	19	31.58	13	69.21	166	63.982	84	48.84	124
	29	31.45	20	70.87	141	63.898	140	50.08	105
Aug.	8	31.25	27	72.28	112	63.758	187	51.13	83
	18	30.98	32	73.40	77	63.571	227	51.96	56
	28	30.66	35	74.17	38	63.344	257	52.52	26
Sept.	7	30.31	37	74.55	2	63.087	272	52.78	6
	17	29.94	37	74.53	45	62.815	274	52.72	38
	27	29.57	36	74.08	86	62.541	262	52.34	71
Okt.	7	29.21	32	73.22	125	62.279	233	51.63	100
	17	28.89	26	71.97	160	62.046	191	50.63	126
	27	28.63	20	70.37	188	61.855	138	49.37	147
Nov.	6	28.43	11	68.49	209	61.717	74	47.90	162
	16	28.32	2	66.40	223	61.643	3	46.28	171
	26	28.30	7	64.17	228	61.640	69	44.57	172
Dez.	6	28.37	17	61.89	225	61.709	141	42.85	168
	16	28.54	25	59.64	214	61.850	209	41.17	157
	26	28.79	34	57.50	195	62.059	272	39.60	141
	36	29.13		55.55		62.331		38.19	
Mittl. Ort		24.38		61.48		58.044		43.09	
sec δ, tg δ		2.039		−1.777		1.550		−1.185	
a, *a′*		+5.4		−3.0		+4.6		−2.9	
b, *b′*		+0.02		+0.99		+0.01		+0.99	

Tag		653) β Draconis AR.	Δ	Dekl.	Δ	652) λ Scorpii AR.	Δ	Dekl.	Δ
1937		$17^h\ 28^m$		$+52°\ 20'$		$17^h\ 29^m$		$-37°\ 3'$	
Jan.	1	58.837 s	201	44.90″	337	19.433 s	260	32.16″	61
	11	59.038	261	41.53	313	19.693	298	31.55	47
	21	59.299	312	38.40	278	19.991	328	31.08	31
	31	59.611	352	35.62	231	20.319	350	30.77	19
Febr.	10	59.963	383	33.31	176	20.669	364	30.58	6
	20	60.346	403	31.55	115	21.033	371	30.52	5
März	2	60.749	412	30.40	50	21.404	373	30.57	14
	12	61.161	409	29.90	16	21.777	370	30.71	22
	22	61.570	397	30.06	81	22.147	361	30.93	30
Apr.	1	61.967	375	30.87	142	22.508	349	31.23	36
	11	62.342	345	32.29	196	22.857	333	31.59	43
	21	62.687	307	34.25	242	23.190	311	32.02	50
Mai	1	62.994	263	36.67	281	23.501	286	32.52	56
	11	63.257	212	39.48	308	23.787	256	33.08	63
	21	63.469	158	42.56	326	24.043	220	33.71	69
	31	63.627	101	45.82	336	24.263	181	34.40	75
Juni	10	[14] 63.728	41	49.18	330	[14] 24.444	137	35.15	78
	19	63.769	19	52.48	322	24.581	91	35.93	79
	29	63.750	79	55.70	302	24.672	42	36.72	79
Juli	9	63.671	136	58.72	277	24.714	8	37.51	75
	19	63.535	190	61.49	244	24.706	56	38.26	68
	29	63.345	239	63.93	207	24.650	102	38.94	58
Aug.	8	63.106	281	66.00	164	24.548	142	39.52	45
	18	62.825	314	67.64	119	24.406	175	39.97	29
	28	62.511	339	68.83	71	24.231	200	40.26	11
Sept.	7	62.172	353	69.54	21	24.031	215	40.37	10
	17	61.819	354	69.75	30	23.816	217	40.27	29
	27	61.465	344	69.45	82	23.599	206	39.98	50
Okt.	7	61.121	321	68.63	131	23.393	184	39.48	67
	17	60.800	286	67.32	179	23.209	150	38.81	82
	27	60.514	240	65.53	224	23.059	106	37.99	94
Nov.	6	60.274	185	63.29	265	22.953	53	37.05	101
	16	60.089	121	60.64	300	22.900	3	36.04	102
	26	59.968	52	57.64	326	22.903	63	35.02	100
Dez.	6	59.916	19	54.38	343	22.966	123	34.02	93
	16	59.935	90	50.95	351	23.089	177	33.09	83
	26	60.025	160	47.44	347	23.266	228	32.26	69
	36	60.185		43.97		23.494		31.57	
Mittl. Ort		60.498		50.17		19.613		35.17	
sec δ, tg δ		1.637		+1.296		1.253		−0.755	
a, *a′*		+1.4		−2.7		+4.1		−2.7	
b, *b′*		−0.01		+0.99		+0.01		+0.99	

Tag	656) α Ophiuchi AR.		656) α Ophiuchi Dekl.		654) ϑ Scorpii AR.		654) ϑ Scorpii Dekl.		658) ξ Serpentis AR.		658) ξ Serpentis Dekl.		664) ω Draconis AR.		664) ω Draconis Dekl.	
1937	$17^h\ 32^m$		+12° 36′		$17^h\ 32^m$		−42° 57′		$17^h\ 33^m$		−15° 21′		$17^h\ 37^m$		+68° 46′	
Jan. 1	0.176	191	13.72	213	47.026	275	32.33	97	58.503	213	37.53	62	15.27	23	69.29	346
11	0.367	224	11.59	203	47.301	317	31.36	80	58.716	246	38.15	66	15.50	33	65.83	323
21	0.591	251	9.56	184	47.618	350	30.56	61	58.962	270	38.81	65	15.83	43	62.60	287
31	0.842	271	7.72	158	47.968	375	29.95	44	59.232	289	39.46	61	16.26	51	59.73	240
Febr. 10	1.113	284	6.14	126	48.343	392	29.51	27	59.521	301	40.07	54	16.77	57	57.33	185
20	1.397	292	4.88	87	48.735	401	29.24	10	59.822	308	40.61	40	17.34	62	55.48	122
März 2	1.689	294	4.01	47	49.136	404	29.14	6	60.130	309	41.01	27	17.96	64	54.26	55
12	1.983	292	3.54	3	49.540	401	29.20	19	60.439	307	41.28	13	18.60	65	53.71	12
22	2.275	286	3.51	39	49.941	393	29.39	33	60.746	301	41.41	3	19.25	62	53.83	79
Apr. 1	2.561	275	3.90	78	50.334	380	29.72	45	61.047	291	41.38	17	19.87	59	54.62	142
11	2.836	260	4.68	114	50.714	362	30.17	57	61.338	278	41.21	30	20.46	54	56.04	199
21	3.096	241	5.82	145	51.076	339	30.74	69	61.616	262	40.91	41	21.00	47	58.03	248
Mai 1	3.337	219	7.27	169	51.415	312	31.43	80	61.878	241	40.50	47	21.47	39	60.51	288
11	3.556	194	8.96	187	51.727	278	32.23	90	62.119	216	40.03	52	21.86	31	63.39	318
21	3.750	164	10.83	199	52.005	241	33.13	99	62.335	188	39.51	55	22.17	20	66.57	337
31	3.914	131	12.82	204	52.246	197	34.12	106	62.523	155	38.96	54	22.37	10	69.94	346
Juni 10	15 4.045	95	14.86	202	15 52.443	150	35.18	110	15 62.678	120	38.42	51	16 22.47	0	73.40	346
19	4.140	57	16.88	196	52.593	99	36.28	112	62.798	82	37.91	47	22.47	10	76.86	336
29	4.197	18	18.84	184	52.692	45	37.40	111	62.880	41	37.44	42	22.37	20	80.22	318
Juli 9	4.215	21	20.68	169	52.737	9	38.51	105	62.921	1	37.02	37	22.17	30	83.40	292
19	4.194	60	22.37	150	52.728	62	39.56	96	62.920	41	36.65	32	21.87	38	86.32	259
29	4.134	95	23.87	128	52.666	112	40.52	83	62.879	79	36.33	27	21.49	46	88.91	221
Aug. 8	4.039	128	25.15	104	52.554	156	41.35	65	62.800	113	36.06	24	21.03	53	91.12	178
18	3.911	154	26.19	79	52.398	192	42.00	45	62.687	142	35.82	21	20.50	58	92.90	131
28	3.757	173	26.98	52	52.206	220	42.45	22	62.545	163	35.61	18	19.92	62	94.21	81
Sept. 7	3.584	185	27.50	24	51.986	236	42.67	4	62.382	176	35.43	16	19.30	64	95.02	30
17	3.399	188	27.74	4	51.750	239	42.63	30	62.206	179	35.27	15	18.66	65	95.32	23
27	3.211	180	27.70	33	51.511	229	42.33	56	62.027	172	35.12	12	18.01	63	95.09	76
Okt. 7	3.031	164	27.37	62	51.282	205	41.77	79	61.855	154	35.00	8	17.38	60	94.33	127
17	2.867	137	26.75	91	51.077	169	40.98	100	61.701	126	34.92	4	16.78	55	93.06	178
27	2.730	104	25.84	118	50.908	122	39.98	117	61.575	90	34.88	2	16.23	49	91.28	225
Nov. 6	2.626	63	24.66	145	50.786	66	38.81	128	61.485	48	34.90	11	15.74	40	89.03	267
16	2.563	18	23.21	168	50.720	4	37.53	134	61.437	0	35.01	20	15.34	31	86.36	304
26	2.545	29	21.53	189	50.716	60	36.19	135	61.437	49	35.21	31	15.03	20	83.32	331
Dez. 6	2.574	77	19.64	205	50.776	124	34.84	129	61.486	99	35.52	42	14.83	8	80.01	351
16	2.651	123	17.59	213	50.900	185	33.55	120	61.585	144	35.94	51	14.75	4	76.50	359
26	2.774	165	15.46	217	51.085	239	32.35	106	61.729	187	36.45	59	14.79	16	72.91	355
36	2.939		13.29		51.324		31.29		61.916		37.04		14.95		69.36	
Mittl. Ort	0.534		15.87		47.278		35.83		58.641		38.27		19.04		74.13	
sec δ, tg δ	1.025		+0.224		1.366		−0.931		1.037		−0.275		2.764		+2.576	
a, *a′*	+2.8		−2.4		+4.3		−2.4		+3.4		−2.3		−0.4		−2.0	
b, *b′*	0.00		+0.99		+0.01		+0.99		0.00		+0.99		−0.02		+1.00	

Scheinbare Sternörter 1937

Tag	663) ι Herculis AR.		663) ι Herculis Dekl.		661) η Pavonis AR.		661) η Pavonis Dekl.		665) β Ophiuchi AR.		665) β Ophiuchi Dekl.		670) ψ Draconis AR.		670) ψ Draconis Dekl.	
1937	$17^h\ 37^m$		$+46°\ 2'$		$17^h\ 39^m$		$-64°\ 41'$		$17^h\ 40^m$		$+4°\ 35'$		$17^h\ 42^m$		$+72°\ 10'$	
Jan. 1	39.836	183	15.66	328	31.65	41	41.77	213	21.286	188	30.27	170	58.53	22	44.83	347
11	40.019	236	12.38	306	32.06	48	39.64	187	21.474	220	28.57	165	58.75	36	41.36	325
21	40.255	280	9.32	275	32.54	55	37.77	159	21.694	247	26.92	151	59.11	47	38.11	291
31	40.535	316	6.57	231	33.09	59	36.18	127	21.941	266	25.41	131	59.58	58	35.20	246
Febr. 10	40.851	344	4.26	180	33.68	63	34.91	93	22.207	280	24.10	105	60.16	65	32.74	191
20	41.195	362	2.46	121	34.31	65	33.98	59	22.487	288	23.05	74	60.81	71	30.83	129
März 2	41.557	370	1.25	59	34.96	66	33.39	23	22.775	292	22.31	41	61.52	75	29.54	64
12	41.927	370	0.66	5	35.62	66	33.16	11	23.067	291	21.90	5	62.27	75	28.90	4
22	42.297	362	0.71	68	36.28	65	33.27	43	23.358	285	21.85	30	63.02	73	28.94	71
Apr. 1	42.659	345	1.39	128	36.93	62	33.70	76	23.643	277	22.15	63	63.75	70	29.65	134
11	43.004	321	2.67	182	37.55	60	34.46	106	23.920	264	22.78	93	64.45	63	30.99	191
21	43.325	290	4.49	229	38.15	55	35.52	132	24.184	248	23.71	119	65.08	55	32.90	241
Mai 1	43.615	255	6.78	266	38.70	51	36.84	159	24.432	227	24.89	139	65.63	46	35.31	282
11	43.870	213	9.44	295	39.21	44	38.43	179	24.659	203	26.28	154	66.09	36	38.13	313
21	44.083	166	12.39	314	39.65	38	40.22	198	24.862	176	27.82	163	66.45	23	41.26	333
31	44.249	117	15.53	323	40.03	31	42.20	210	25.038	144	29.45	167	66.68	12	44.59	343
Juni 10	16 44.366	65	18.76	324	17 40.34	22	44.30	219	17 25.182	109	31.12	165	17 66.80	0	48.02	345
19	44.431	12	22.00	315	40.56	13	46.49	221	25.291	72	32.77	160	66.80	13	51.47	336
29	44.443	42	25.15	298	40.69	4	48.70	217	25.363	33	34.37	151	66.67	25	54.83	318
Juli 9	44.401	94	28.13	274	40.73	5	50.87	206	25.396	7	35.88	138	66.42	35	58.01	294
19	44.307	144	30.87	245	40.68	14	52.93	189	25.389	45	37.26	122	66.07	46	60.95	263
29	44.163	189	33.32	209	40.54	22	54.82	165	25.344	82	38.48	105	65.61	55	63.58	225
Aug. 8	43.974	229	35.41	170	40.32	30	56.47	135	25.262	115	39.53	87	65.06	63	65.83	182
18	43.745	262	37.11	126	40.02	36	57.82	100	25.147	143	40.40	67	64.43	70	67.65	137
28	43.483	286	38.37	81	39.66	40	58.82	59	25.004	164	41.07	47	63.73	74	69.02	87
Sept. 7	43.197	301	39.18	33	39.26	43	59.41	16	24.840	176	41.54	26	62.99	77	69.89	37
17	42.896	304	39.51	16	38.83	44	59.57	30	24.664	180	41.80	4	62.22	78	70.26	16
27	42.592	296	39.35	66	38.39	42	59.27	74	24.484	175	41.84	17	61.44	76	70.10	69
Okt. 7	42.296	277	38.69	115	37.97	38	58.53	118	24.309	159	41.67	39	60.68	73	69.41	121
17	42.019	247	37.54	161	37.59	33	57.35	157	24.150	133	41.28	62	59.95	68	68.20	171
27	41.772	207	35.93	205	37.26	26	55.78	191	24.017	101	40.66	85	59.27	60	66.49	219
Nov. 6	41.565	158	33.88	246	37.00	17	53.87	217	23.916	62	39.81	104	58.67	50	64.30	262
16	41.407	101	31.42	281	36.83	6	51.70	237	23.854	17	38.77	125	58.17	40	61.68	299
26	41.306	40	28.61	309	36.77	4	49.33	246	23.837	29	37.52	144	57.77	27	58.69	328
Dez. 6	41.266	22	25.52	329	36.81	14	46.87	247	23.866	76	36.08	158	57.50	14	55.41	348
16	41.288	86	22.23	337	36.95	25	44.40	240	23.942	121	34.50	167	57.36	1	51.93	358
26	41.374	146	18.86	335	37.20	34	42.00	225	24.063	162	32.83	172	57.37	14	48.35	355
36	41.520		15.51		37.54		39.75		24.225		31.11		57.51		44.80	
Mittl. Ort	41.137		19.81		32.64		46.72		21.560		31.32		63.24		49.05	
sec δ, tg δ	1.441		+1.037		2.340		−2.115		1.003		+0.080		3.268		+3.111	
a, a'	+1.7		−1.9		+5.9		−1.8		+3.0		−1.7		−1.1		−1.5	
b, b'	−0.01		+1.00		+0.01		+1.00		0.00		+1.00		−0.02		+1.00	

Tag	667) μ Herculis[1] AR.	Δ	Dekl.	Δ	675) 35 Draconis AR.	Δ	Dekl.	Δ	671) ξ Draconis AR.	Δ	Dekl.	Δ	672) ϑ Herculis AR.	Δ	Dekl.	Δ
1937	17h 43m		+27° 45′		17h 52m		+76° 58′		17h 52m		+56° 52′		17h 54m		+37° 15′	
Jan. 1	58.831 s	175	19.98 "	277	9.10 s	22	17.58 "	343	24.269 s	169	52.05 "	345	4.559 s	161	25.77 "	307
11	59.006	214	17.21	262	9.32	41	14.15	324	24.438	239	48.60	326	4.720	207	22.70	290
21	59.220	246	14.59	236	9.73	58	10.91	292	24.677	302	45.34	294	4.927	246	19.80	264
31	59.466	272	12.23	202	10.31	72	7.99	249	24.979	355	42.40	252	5.173	279	17.16	226
Febr. 10	59.738	290	10.21	159	11.03	84	5.50	197	25.334	397	39.88	200	5.452	303	14.90	180
20	60.028	303	8.62	111	11.87	92	3.53	138	25.731	427	37.88	140	5.755	320	13.10	127
März 2	60.331	310	7.51	59	12.79	98	2.15	73	26.158	445	36.48	75	6.075	331	11.83	70
12	60.641	309	6.92	4	13.77	100	1.42	5	26.603	450	35.73	8	6.406	334	11.13	10
22	60.950	303	6.88	50	14.77	98	1.37	60	27.053	444	35.65	58	6.740	330	11.03	50
Apr. 1	61.253	293	7.38	101	15.75	93	1.97	124	27.497	427	36.23	122	7.070	319	11.53	107
11	61.546	277	8.39	148	16.68	85	3.21	181	27.924	398	37.45	180	7.389	303	12.60	158
21	61.823	256	9.87	187	17.53	75	5.02	232	28.322	360	39.25	230	7.692	281	14.18	204
Mai 1	62.079	232	11.74	220	18.28	62	7.34	273	28.682	314	41.55	272	7.973	253	16.22	243
11	62.311	202	13.94	244	18.90	48	10.07	306	28.996	260	44.27	307	8.226	220	18.65	271
21	62.513	168	16.38	261	19.38	32	13.13	329	29.256	200	47.34	327	8.446	181	21.36	292
31	62.681	131	18.99	269	19.70	16	16.42	341	29.456	137	50.61	341	8.627	141	24.28	303
Juni 10	62.812	91	21.68	270	19.86	1	19.83	344	29.593	70	54.02	344	8.768	96	27.31	305
19*)	[18] 62.903	50	24.38	263	19.85	17	23.27	337	29.663	1	57.46	338	8.864	48	30.36	300
29	62.953	6	27.01	249	[20] 19.68	34	26.64	322	[20] 29.664	67	60.84	323	[20] 8.912	1	33.36	287
Juli 9	62.959	37	29.50	229	19.34	49	29.86	300	29.597	134	64.07	300	8.913	47	36.23	266
19	62.922	79	31.79	205	18.85	63	32.86	270	29.463	197	67.07	271	8.866	93	38.89	241
29	62.843	118	33.84	177	18.22	76	35.56	234	29.266	254	69.78	236	8.773	137	41.30	210
Aug. 8	62.725	152	35.61	143	17.46	87	37.90	194	29.012	304	72.14	195	8.636	175	43.40	174
18	62.573	181	37.04	109	16.59	95	39.84	149	28.708	347	74.09	151	8.461	208	45.14	135
28	62.392	203	38.13	72	15.64	102	41.33	101	28.361	378	75.60	103	8.253	233	46.49	93
Sept. 7	62.189	217	38.85	33	14.62	106	42.34	51	27.983	399	76.63	53	8.020	249	47.42	50
17	61.972	221	39.18	6	13.56	108	42.85	0	27.584	407	77.16	1	7.771	255	47.92	5
27	61.751	215	39.12	46	12.48	107	42.85	52	27.177	401	77.17	51	7.516	252	47.97	41
Okt. 7	61.536	200	38.66	86	11.41	103	42.33	104	26.776	383	76.66	103	7.264	237	47.56	86
17	61.336	174	37.80	126	10.38	96	41.29	155	26.393	351	75.63	154	7.027	213	46.70	131
27	61.162	140	36.54	163	9.42	87	39.74	203	26.042	306	74.09	202	6.814	178	45.39	173
Nov. 6	61.022	99	34.91	197	8.55	75	37.71	247	25.736	250	72.07	247	6.636	135	43.66	212
16	60.923	52	32.94	227	7.80	61	35.24	285	25.486	184	69.60	285	6.501	87	41.54	248
26	60.871	3	30.67	252	7.19	44	32.39	316	25.302	112	66.75	316	6.414	34	39.06	276
Dez. 6	60.868	48	28.15	271	6.75	26	29.23	337	25.190	35	63.59	339	6.380	21	36.30	298
16	60.916	99	25.44	281	6.49	8	25.86	350	25.155	44	60.20	351	6.401	75	33.32	309
26	61.015	145	22.63	282	6.41	11	22.36	350	25.199	121	56.69	351	6.476	129	30.23	312
36	61.160		19.81		6.52		18.86		25.320		53.18		6.605		27.11	
Mittl. Ort	59.488		22.67		15.97		20.72		26.349		55.09		5.511		28.08	
sec δ, tg δ	1.130		+0.526		4.436		+4.322		1.830		+1.533		1.256		+0.761	
a, *a′*	+2.4		−1.4		−2.7		−0.7		+1.0		−0.7		+2.1		−0.5	
b, *b′*	0.00		+1.00		−0.01		+1.00		0.00		+1.00		0.00		+1.00	

[1]) Die jährliche Parallaxe (0.″111) ist bereits berücksichtigt.

*) Bei Stern 675), 671) und 672) lies Juni 20.

Scheinbare Sternörter 1937

Tag	676) γ Draconis AR.		676) γ Draconis Dekl.		673) ν Ophiuchi AR.		673) ν Ophiuchi Dekl.		677) 67 Ophiuchi AR.		677) 67 Ophiuchi Dekl.		679) γ Sagittarii AR.		679) γ Sagittarii Dekl.	
1937	17^h 55^m		$+51°$ $29'$		17^h 55^m		$-9°$ $45'$		17^h 57^m		$+2°$ $55'$		18^h 1^m		$-30°$ $25'$	
Jan. 1	$6^s.900$	162	$41''.31$	339	$33^s.244$	187	$62''.43$	86	$29^s.069$	173	$58''.69$	158	$45^s.376$	209	$34''.57$	41
11	7.062	222	37.92	320	33.431	220	63.29	86	29.242	207	57.11	152	45.585	248	34.16	33
21	7.284	276	34.72	291	33.651	247	64.15	82	29.449	235	55.59	141	45.833	279	33.83	26
31	7.560	321	31.81	249	33.898	268	64.97	73	29.684	256	54.18	123	46.112	304	33.57	20
Febr. 10	7.881	358	29.32	199	34.166	283	65.70	59	29.940	272	52.95	98	46.416	321	33.37	16
20	8.239	383	27.33	140	34.449	293	66.29	42	30.212	283	51.97	70	46.737	334	33.21	12
März 2	8.622	398	25.93	77	34.742	298	66.71	22	30.495	289	51.27	39	47.071	341	33.09	11
12	9.020	404	25.16	12	35.040	300	66.93	2	30.784	291	50.88	4	47.412	343	32.98	10
22	9.424	400	25.04	54	35.340	297	66.95	19	31.075	288	50.84	29	47.755	341	32.88	9
Apr. 1	9.824	384	25.58	116	35.637	290	66.76	39	31.363	283	51.13	61	48.096	336	32.79	7
11	10.208	362	26.74	174	35.927	280	66.37	57	31.646	272	51.74	89	48.432	325	32.72	6
21	10.570	331	28.48	223	36.207	267	65.80	71	31.918	258	52.63	115	48.757	311	32.66	3
Mai 1	10.901	291	30.71	267	36.474	249	65.09	82	32.176	240	53.78	135	49.068	291	32.63	2
11	11.192	246	33.38	297	36.723	227	64.27	90	32.416	218	55.13	149	49.359	267	32.65	9
21	11.438	195	36.35	320	36.950	201	63.37	93	32.634	191	56.62	159	49.626	237	32.74	14
31	11.633	140	39.55	334	37.151	169	62.44	93	32.825	161	58.21	163	49.863	202	32.88	21
Juni 10	11.773	82	42.89	338	37.320	134	61.51	91	32.986	126	59.84	161	50.065	163	33.09	29
20	11.855	21	46.27	332	37.454	97	60.60	85	33.112	88	61.45	156	50.228	120	33.38	35
29	[21] 11.876	39	49.59	317	[21] 37.551	57	59.75	78	[21] 33.200	50	63.01	147	[22] 50.348	74	33.73	40
Juli 9	11.837	98	52.76	297	37.608	16	58.97	69	33.250	9	64.48	135	50.422	27	34.13	43
19	11.739	155	55.73	267	37.624	26	58.28	59	33.259	32	65.83	120	50.449	22	34.56	44
29	11.584	207	58.40	234	37.598	65	57.69	51	33.227	69	67.03	104	50.427	67	35.00	42
Aug. 8	11.377	253	60.74	194	37.533	100	57.18	41	33.158	105	68.07	86	50.360	109	35.42	37
18	11.124	292	62.68	151	37.433	131	56.77	33	33.053	134	68.93	68	50.251	145	35.79	29
28	10.832	322	64.19	104	37.302	156	56.44	24	32.919	158	69.61	48	50.106	174	36.08	20
Sept. 7	10.510	341	65.23	56	37.146	171	56.20	16	32.761	173	70.09	28	49.932	193	36.28	8
17	10.169	348	65.79	5	36.975	177	56.04	9	32.588	180	70.37	9	49.739	201	36.36	6
27	9.821	344	65.84	46	36.798	174	55.95	1	32.408	176	70.46	11	49.538	199	36.30	19
Okt. 7	9.477	328	65.38	97	36.624	160	55.94	7	32.232	163	70.35	32	49.339	183	36.11	32
17	9.149	299	64.41	147	36.464	137	56.01	17	32.069	141	70.03	52	49.156	158	35.79	43
27	8.850	259	62.94	194	36.327	104	56.18	27	31.928	111	69.51	73	48.998	122	35.36	53
Nov. 6	8.591	209	61.00	238	36.223	65	56.45	37	31.817	72	68.78	93	48.876	77	34.83	59
16	8.382	151	58.62	277	36.158	21	56.82	48	31.745	31	67.85	113	48.799	28	34.24	62
26	8.231	86	55.85	307	36.137	26	57.30	60	31.714	16	66.72	129	48.771	25	33.62	61
Dez. 6	8.145	18	52.78	331	36.163	73	57.90	70	31.730	61	65.43	144	48.796	80	33.01	58
16	8.127	52	49.47	343	36.236	118	58.60	79	31.791	105	63.99	153	48.876	131	32.43	52
26	8.179	120	46.04	345	36.354	160	59.39	85	31.896	148	62.46	158	49.007	178	31.91	46
36	8.299		42.59		36.514		60.24		32.044		60.88		49.185		31.45	
Mittl. Ort	8.555		43.97		33.434		62.94		29.348		58.98		45.572		36.49	
sec δ, tg δ	1.606		+1.257		1.015		−0.172		1.001		+0.051		1.160		−0.587	
a, *a′*	+1.4		−0.4		+3.3		−0.4		+3.0		−0.2		+3.9		+0.2	
b, *b′*	0.00		+1.00		0.00		+1.00		0.00		+1.00		0.00		+1.00	

Tag	680) 72 Ophiuchi AR.		Dekl.		681) o Herculis AR.		Dekl.	
1937	$18^h\ 4^m$		$+9°\ 33'$		$18^h\ 5^m$		$+28°\ 44'$	
Jan. 1	21.376 s	162	11.98"	191	4.363 s	152	67.87"	277
11	21.538	197	10.07	183	4.515	192	65.10	265
21	21.735	226	8.24	169	4.707	228	62.45	242
31	21.961	250	6.55	147	4.935	257	60.03	210
Febr. 10	22.211	267	5.08	119	5.192	280	57.93	170
20	22.478	280	3.89	84	5.472	296	56.23	122
März 2	22.758	287	3.05	46	5.768	306	55.01	70
12	23.045	290	2.59	7	6.074	311	54.31	15
22	23.335	289	2.52	32	6.385	310	54.16	39
Apr. 1	23.624	284	2.84	71	6.695	303	54.55	92
11	23.908	274	3.55	106	6.998	291	55.47	140
21	24.182	261	4.61	135	7.289	273	56.87	183
Mai 1	24.443	242	5.96	160	7.562	251	58.70	218
11	24.685	220	7.56	179	7.813	223	60.88	246
21	24.905	194	9.35	192	8.036	190	63.34	266
31	25.099	162	11.27	197	8.226	155	66.00	277
Juni 10	25.261	127	13.24	197	8.381	115	68.77	280
20	25.388	89	15.21	193	8.496	72	71.57	276
29	[23] 25.477	49	17.14	183	[23] 8.568	27	74.33	264
Juli 9	25.526	9	18.97	169	8.595	17	76.97	247
19	25.535	32	20.66	152	8.578	61	79.44	225
29	25.503	71	22.18	132	8.517	103	81.69	197
Aug. 8	25.432	107	23.50	111	8.414	141	83.66	165
18	25.325	137	24.61	87	8.273	173	85.31	131
28	25.188	162	25.48	62	8.100	198	86.62	95
Sept. 7	25.026	178	26.10	38	7.902	215	87.57	55
17	24.848	185	26.48	12	7.687	223	88.12	15
27	24.663	183	26.60	14	7.464	222	88.27	25
Okt. 7	24.480	172	26.46	41	7.242	210	88.02	66
17	24.308	150	26.05	67	7.032	188	87.36	107
27	24.158	120	25.38	93	6.844	157	86.29	145
Nov. 6	24.038	84	24.45	117	6.687	118	84.84	182
16	23.954	43	23.28	140	6.569	75	83.02	215
26	23.911	3	21.88	161	6.494	26	80.87	242
Dez. 6	23.914	48	20.27	177	6.468	24	78.45	263
16	23.962	93	18.50	187	6.492	74	75.82	276
26	24.055	136	16.63	192	6.566	121	73.06	280
36	24.191		14.71		6.687		70.26	
Mittl. Ort	21.734		12.36		5.071		69.01	
sec δ, tg δ	1.014		+0.168		1.141		+0.549	
a, *a'*	+2.8		+0.4		+2.3		+0.4	
b, *b'*	0.00		+1.00		0.00		+1.00	

Tag	682) μ Sagittarii AR.		Dekl.		688) η Serpentis AR.		Dekl.	
1937	$18^h\ 9^m$		$-21°\ 4'$		$18^h\ 18^m$		$-2°\ 54'$	
Jan. 1	59.517 s	186	36.37"	11	2.706 s	157	59.67"	120
11	59.703	222	36.48	15	2.863	193	60.87	118
21	59.925	252	36.63	17	3.056	221	62.05	109
31	60.177	275	36.80	15	3.277	245	63.14	95
Febr. 10	60.452	293	36.95	11	3.522	263	64.09	77
20	60.745	306	37.06	5	3.785	276	64.86	53
März 2	61.051	313	37.11	3	4.061	285	65.39	28
12	61.364	317	37.08	12	4.346	291	65.67	0
22	61.681	317	36.96	21	4.637	291	65.67	28
Apr. 1	61.998	312	36.75	29	4.928	288	65.39	55
11	62.310	304	36.46	36	5.216	282	64.84	79
21	62.614	292	36.10	41	5.498	271	64.05	99
Mai 1	62.906	275	35.69	43	5.769	256	63.06	115
11	63.181	254	35.26	43	6.025	235	61.91	128
21	63.435	227	34.83	40	6.260	211	60.63	134
31	63.662	195	34.43	36	6.471	182	59.29	136
Juni 10	63.857	160	34.07	30	6.653	148	57.93	134
20	64.017	120	33.77	23	6.801	111	56.59	129
29	[24] 64.137	76	33.54	16	[26] 6.912	71	55.30	120
Juli 9	64.213	33	33.38	10	6.983	29	54.10	109
19	64.246	12	33.28	4	7.012	12	53.01	96
29	64.234	54	33.24	0	7.000	52	52.05	82
Aug. 8	64.180	95	33.24	2	6.948	90	51.23	67
18	64.085	130	33.26	4	6.858	122	50.56	53
28	63.955	157	33.30	2	6.736	149	50.03	38
Sept. 7	63.798	176	33.32	0	6.587	168	49.65	22
17	63.622	185	33.32	4	6.419	177	49.43	9
27	63.437	184	33.28	8	6.242	177	49.34	6
Okt. 7	63.253	172	33.20	11	6.065	168	49.40	21
17	63.081	149	33.09	14	5.897	148	49.61	35
27	62.932	117	32.95	15	5.749	119	49.96	51
Nov. 6	62.815	78	32.80	15	5.630	84	50.47	66
16	62.737	32	32.65	12	5.546	44	51.13	81
26	62.705	17	32.53	8	5.502	0	51.94	94
Dez. 6	62.722	65	32.45	2	5.502	46	52.88	106
16	62.787	114	32.43	3	5.548	90	53.94	116
26	62.901	157	32.46	10	5.638	131	55.10	120
36	63.058		32.56		5.769		56.30	
Mittl. Ort	59.699		37.68		2.954		60.29	
sec δ, tg δ	1.072		−0.385		1.001		−0.051	
a, *a'*	+3.6		+0.9		+3.1		+1.6	
b, *b'*	0.00		+1.00		0.00		+1.00	

Tag		689) ε Sagittarii AR.		689) ε Sagittarii Dekl.		690) 109 Herculis AR.		690) 109 Herculis Dekl.	
1937		$18^h\ 19^m$		$-34°\ 24'$		$18^h\ 21^m$		$+21°\ 44'$	
Jan.	1	$59^s.168$	197	$56''.75$	75	$0^s.211$	139	$22''.68$	247
	11	59.365	238	56.00	68	0.350	178	20.21	237
	21	59.603	273	55.32	60	0.528	211	17.84	220
	31	59.876	301	54.72	53	0.739	240	15.64	192
Febr.	10	60.177	322	54.19	46	0.979	262	13.72	158
	20	60.499	339	53.73	41	1.241	279	12.14	115
März	2	60.838	349	53.32	35	1.520	291	10.99	69
	12	61.187	356	52.97	31	1.811	298	10.30	20
	22	61.543	357	52.66	25	2.109	300	10.10	30
Apr.	1	61.900	353	52.41	20	2.409	297	10.40	78
	11	62.253	346	52.21	13	2.706	288	11.18	122
	21	62.599	333	52.08	6	2.994	275	12.40	163
Mai	1	62.932	316	52.02	3	3.269	257	14.03	195
	11	63.248	293	52.05	13	3.526	233	15.98	222
	21	63.541	263	52.18	24	3.759	205	18.20	240
	31	63.804	228	52.42	34	3.964	172	20.60	252
Juni	10	64.032	189	52.76	43	4.136	135	23.12	256
	20	64.221	143	53.19	53	4.271	96	25.68	252
	29	[27]64.364	95	53.72	60	[27]4.367	53	28.20	243
Juli	9	64.459	46	54.32	64	4.420	9	30.63	228
	19	64.505	6	54.96	66	4.429	34	32.91	208
	29	64.499	55	55.62	65	4.395	76	34.99	185
Aug.	8	64.444	101	56.27	59	4.319	113	36.84	156
	18	64.343	142	56.86	51	4.206	147	38.40	127
	28	64.201	174	57.37	39	4.059	174	39.67	94
Sept.	7	64.027	198	57.76	25	3.885	193	40.61	60
	17	63.829	211	58.01	7	3.692	203	41.21	25
	27	63.618	210	58.08	10	3.489	204	41.46	11
Okt.	7	63.408	200	57.98	28	3.285	195	41.35	48
	17	63.208	175	57.70	44	3.090	176	40.87	83
	27	63.033	142	57.26	59	2.914	149	40.04	118
Nov.	6	62.891	98	56.67	71	2.765	114	38.86	151
	16	62.793	49	55.96	79	2.651	72	37.35	182
	26	62.744	5	55.17	83	2.579	28	35.53	207
Dez.	6	62.749	60	54.34	84	2.551	19	33.46	229
	16	62.809	114	53.50	82	2.570	65	31.17	242
	26	62.923	163	52.68	78	2.635	111	28.75	249
	36	63.086		51.90		2.746		26.26	
Mittl. Ort		59.411		58.56		0.770		22.56	
sec δ, tg δ		1.212		−0.685		1.077		+0.399	
a, *a′*		+4.0		+1.7		+2.5		+1.8	
b, *b′*		0.00		+1.00		0.00		+1.00	

Tag		695) χ Draconis[1] AR.		695) χ Draconis[1] Dekl.		691) α Telescopii AR.		691) α Telescopii Dekl.	
1937		$18^h\ 22^m$		$+72°\ 42'$		$18^h\ 22^m$		$-46°\ 0'$	
Jan.	1	$6^s.71$	11	$21''.65$	350	$17^s.739$	221	$16''.13$	145
	11	6.82	26	18.15	338	17.960	270	14.68	134
	21	7.08	38	14.77	314	18.230	313	13.34	121
	31	7.46	50	11.63	277	18.543	348	12.13	107
Febr.	10	7.96	61	8.86	229	18.891	375	11.06	92
	20	8.57	68	6.57	174	19.266	395	10.14	76
März	2	9.25	73	4.83	111	19.661	408	9.38	59
	12	9.98	77	3.72	45	20.069	417	8.79	43
	22	10.75	78	3.27	22	20.486	418	8.36	26
Apr.	1	11.53	75	3.49	88	20.904	415	8.10	9
	11	12.28	71	4.37	149	21.319	405	8.01	9
	21	12.99	65	5.86	204	21.724	391	8.10	26
Mai	1	13.64	56	7.90	252	22.115	369	8.36	45
	11	14.20	47	10.42	290	22.484	340	8.81	62
	21	14.67	36	13.32	320	22.824	306	9.43	79
	31	15.03	24	16.52	339	23.130	265	10.22	94
Juni	10	15.27	11	19.91	349	23.395	216	11.16	106
	20	15.38	2	23.40	350	23.611	164	12.22	117
	29	[27]15.36	14	26.90	340	[27]23.775	107	13.39	125
Juli	9	15.22	26	30.30	324	23.882	48	14.64	127
	19	14.96	38	33.54	300	23.930	13	15.91	124
	29	14.58	48	36.54	268	23.917	70	17.15	118
Aug.	8	14.10	58	39.22	232	23.847	124	18.33	106
	18	13.52	66	41.54	190	23.723	173	19.39	89
	28	12.86	72	43.44	145	23.550	210	20.28	68
Sept.	7	12.14	77	44.89	95	23.340	240	20.96	43
	17	11.37	79	45.84	44	23.100	255	21.39	15
	27	10.58	80	46.28	8	22.845	256	21.54	15
Okt.	7	9.78	78	46.20	63	22.589	243	21.39	43
	17	9.00	74	45.57	115	22.346	217	20.96	71
	27	8.26	68	44.42	167	22.129	177	20.25	97
Nov.	6	7.58	61	42.75	215	21.952	127	19.28	119
	16	6.97	50	40.60	258	21.825	69	18.09	135
	26	6.47	38	38.02	296	21.756	7	16.74	146
Dez.	6	6.09	25	35.06	326	21.749	58	15.28	152
	16	5.84	12	31.80	344	21.807	121	13.76	152
	26	5.72	2	28.36	352	21.928	182	12.24	149
	36	5.74		24.84		22.110		10.75	
Mittl. Ort		11.66		21.51		18.133		18.33	
sec δ, tg δ		3.364		+3.212		1.440		−1.036	
a, *a′*		−1.2		+1.9		+4.5		+1.9	
b, *b′*		+0.02		+1.00		−0.01		+1.00	

[1]) Die jährliche Parallaxe (0″.118) ist bereits berücksichtigt.

Tag	694) *b* Draconis AR.	Δ	Dekl.	Δ	699) α Lyrae[1]) AR.	Δ	Dekl.	Δ
1937	18h 22m		+58° 45′		18h 34m		+38° 43′	
Jan. 1	57.162	115	49.40	348	47.290	115	27.19	306
11	57.277	193	45.92	335	47.405	163	24.13	297
21	57.470	263	42.57	311	47.568	207	21.16	276
31	57.733	325	39.46	274	47.775	246	18.40	244
Febr. 10	58.058	378	36.72	227	48.021	278	15.96	204
20	58.436	420	34.45	172	48.299	303	13.92	154
März 2	58.856	449	32.73	109	48.602	322	12.38	98
12	59.305	466	31.64	43	48.924	334	11.40	40
22	59.771	470	31.21	24	49.258	338	11.00	20
Apr. 1	60.241	461	31.45	88	49.596	336	11.20	80
11	60.702	440	32.33	150	49.932	328	12.00	135
21	61.142	408	33.83	205	50.260	312	13.35	185
Mai 1	61.550	365	35.88	253	50.572	289	15.20	228
11	61.915	314	38.41	291	50.861	260	17.48	263
21	62.229	256	41.32	320	51.121	225	20.11	290
31	62.485	190	44.52	340	51.346	186	23.01	308
Juni 10	62.675	120	47.92	349	51.532	141	26.09	316
20	62.795	48	51.41	349	51.673	93	29.25	317
29*)	[28] 62.843	26	54.90	341	[1] 51.766	43	32.42	309
Juli 9	62.817	98	58.31	324	51.809	8	35.51	294
19	62.719	168	61.55	299	51.801	57	38.45	273
29	62.551	233	64.54	269	51.744	106	41.18	245
Aug. 8	62.318	293	67.23	232	51.638	150	43.63	212
18	62.025	343	69.55	190	51.488	189	45.75	176
28	61.682	383	71.45	145	51.299	221	47.51	136
Sept. 7	61.299	412	72.90	96	51.078	243	48.87	93
17	60.887	429	73.86	45	50.835	258	49.80	49
27	60.458	432	74.31	7	50.577	261	50.29	2
Okt. 7	60.026	421	74.24	61	50.316	253	50.31	45
17	59.605	395	73.63	114	50.063	236	49.86	91
27	59.210	357	72.49	164	49.827	208	48.95	137
Nov. 6	58.853	306	70.85	213	49.619	171	47.58	179
16	58.547	245	68.72	257	49.448	128	45.79	219
26	58.302	174	66.15	293	49.320	79	43.60	252
Dez. 6	58.128	97	63.22	322	49.241	26	41.08	280
16	58.031	17	60.00	342	49.215	27	38.28	298
26	58.014	65	56.58	349	49.242	80	35.30	307
36	58.079		53.09		49.322		32.23	
Mittl. Ort	59.451		49.24		48.310		26.19	
sec δ, tg δ	1.928		+1.649		1.282		+0.802	
a, *a′*	+0.9		+2.0		+2.0		+3.0	
b, *b′*	+0.01		+0.99		+0.01		+0.99	

Tag	698) ζ Pavonis AR.	Δ	Dekl.	Δ	703) 110 Herculis AR.	Δ	Dekl.	Δ
1937	18h 35m		−71° 28′		18h 42m		+20° 28′	
Jan. 1	39.08	35	65.59	279	56.450	117	66.22	236
11	39.43	46	62.80	265	56.567	156	63.86	230
21	39.89	57	60.15	244	56.723	191	61.56	215
31	40.46	66	57.71	218	56.914	220	59.41	191
Febr. 10	41.12	73	55.53	188	57.134	246	57.50	158
20	41.85	79	53.65	154	57.380	266	55.92	119
März 2	42.64	82	52.11	117	57.646	281	54.73	75
12	43.46	85	50.94	80	57.927	292	53.98	27
22	44.31	86	50.14	41	58.219	297	53.71	21
Apr. 1	45.17	86	49.73	3	58.516	298	53.92	69
11	46.03	84	49.70	36	58.814	293	54.61	114
21	46.87	80	50.06	74	59.107	284	55.75	153
Mai 1	47.67	76	50.80	109	59.391	269	57.28	188
11	48.43	69	51.89	143	59.660	249	59.16	215
21	49.12	61	53.32	172	59.909	223	61.31	235
31	49.73	52	55.04	199	60.132	192	63.66	248
Juni 10	50.25	42	57.03	220	60.324	157	66.14	254
20	50.67	30	59.23	234	60.481	117	68.68	252
29*)	[1] 50.97	18	61.57	243	60.598	76	71.20	245
Juli 9	51.15	6	64.00	245	[3] 60.674	31	73.65	232
19	51.21	7	66.45	237	60.705	13	75.97	214
29	51.14	20	68.82	223	60.692	56	78.11	191
Aug. 8	50.94	31	71.05	200	60.636	95	80.02	165
18	50.63	41	73.05	169	60.541	132	81.67	136
28	50.22	50	74.74	133	60.409	162	83.03	105
Sept. 7	49.72	56	76.07	90	60.247	183	84.08	73
17	49.16	60	76.97	42	60.064	197	84.81	39
27	48.56	61	77.39	9	59.867	202	85.20	4
Okt. 7	47.95	59	77.30	60	59.665	196	85.24	32
17	47.36	55	76.70	110	59.469	181	84.92	67
27	46.81	48	75.60	156	59.288	156	84.25	101
Nov. 6	46.33	39	74.04	198	59.132	125	83.24	134
16	45.94	27	72.06	232	59.007	88	81.90	164
26	45.67	14	69.74	258	58.919	44	80.26	191
Dez. 6	45.53	1	67.16	276	58.875	1	78.35	213
16	45.52	13	64.40	284	58.874	44	76.22	229
26	45.65	26	61.56	283	58.918	89	73.93	237
36	45.91		58.73		59.007		71.56	
Mittl. Ort	40.94		67.97		56.983		64.75	
sec δ, tg δ	3.149		−2.986		1.068		+0.374	
a, *a′*	+7.0		+3.1		+2.6		+3.7	
b, *b′*	−0.03		+0.99		0.00		+0.98	

[1]) Die jährliche Parallaxe (0.″124) ist bereits berücksichtigt.

*) Bei Stern 699), 698) und 703) lies Juni 30.

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Tag	704) λ Pavonis				705) β Lyrae				707) o Draconis				706) σ Sagittarii			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1937	$18^h\ 46^m$		$-62°\ 15'$		$18^h\ 47^m$		$+33°\ 17'$		$18^h\ 50^m$		$+59°\ 18'$		$18^h\ 51^m$		$-26°\ 22'$	
Jan. 1	^{s}22.04	24	″43.05	243	^{s}44.389	102	″20.56	287	^{s}14.075	66	″42.16	344	^{s}21.341	150	″35.49	38
11	22.28	33	40.62	233	44.491	146	17.69	280	14.141	143	38.72	339	21.491	189	35.11	36
21	22.61	39	38.29	219	44.637	188	14.89	263	14.284	220	35.33	321	21.680	223	34.75	37
31	23.00	45	36.10	198	44.825	224	12.26	235	14.504	288	32.12	291	21.903	251	34.38	36
Febr. 10	23.45	50	34.12	175	45.049	255	9.91	198	14.792	347	29.21	249	22.154	276	34.02	39
20	23.95	54	32.37	149	45.304	280	7.93	153	15.139	398	26.72	197	22.430	295	33.63	42
März 2	24.49	57	30.88	120	45.584	300	6.40	101	15.537	436	24.75	139	22.725	310	33.21	45
12	25.06	59	29.68	90	45.884	313	5.39	46	15.973	462	23.36	75	23.035	320	32.76	50
22	25.65	60	28.78	58	46.197	320	4.93	11	16.435	476	22.61	8	23.355	327	32.26	53
Apr. 1	26.25	60	28.20	27	46.517	322	5.04	68	16.911	476	22.53	57	23.682	330	31.73	56
11	26.85	59	27.93	6	46.839	317	5.72	120	17.387	463	23.10	121	24.012	328	31.17	56
21	27.44	58	27.99	37	47.156	306	6.92	170	17.850	439	24.31	179	24.340	321	30.61	55
Mai 1	28.02	54	28.36	70	47.462	287	8.62	211	18.289	404	26.10	229	24.661	310	30.06	52
11	28.56	51	29.06	99	47.749	263	10.73	246	18.693	356	28.39	274	24.971	292	29.54	46
21	29.07	46	30.05	127	48.012	234	13.19	272	19.049	302	31.13	308	25.263	270	29.08	37
31	29.53	40	31.32	152	48.246	198	15.91	291	19.351	239	34.21	333	25.533	239	28.71	28
Juni 10	29.93	33	32.84	174	48.444	158	18.82	301	19.590	170	37.54	348	25.772	206	28.43	17
20	30.26	25	34.58	190	48.602	114	21.83	302	19.760	97	41.02	355	25.978	165	28.26	6
30	30.51	17	36.48	201	48.716	66	24.85	296	19.857	23	44.57	351	26.143	121	28.20	6
Juli 9	30.68	8	38.49	206	48.782	19	27.81	283	19.880	54	48.08	340	26.264	74	28.26	15
19	30.76	0	40.55	204	48.801	30	30.64	264	19.826	127	51.48	321	26.338	27	28.41	24
29	30.76	10	42.59	195	48.771	77	33.28	239	19.699	197	54.69	294	26.365	22	28.65	30
Aug. 8	30.66	17	44.54	179	48.694	120	35.67	210	19.502	261	57.63	262	26.343	68	28.95	34
18	30.49	25	46.33	156	48.574	159	37.77	176	19.241	318	60.25	223	26.275	108	29.29	34
28	30.24	31	47.89	125	48.415	192	39.53	139	18.923	366	62.48	181	26.167	144	29.63	32
Sept. 7	29.93	37	49.14	90	48.223	216	40.92	99	18.557	401	64.29	134	26.023	170	29.95	27
17	29.56	39	50.04	50	48.007	231	41.91	58	18.156	425	65.63	84	25.853	187	30.22	19
27	29.17	40	50.54	8	47.776	237	42.49	14	17.731	437	66.47	33	25.666	193	30.41	11
Okt. 7	28.77	40	50.62	38	47.539	233	42.63	29	17.294	432	66.80	22	25.473	189	30.52	0
17	28.37	36	50.24	81	47.306	218	42.34	74	16.862	415	66.58	75	25.284	172	30.52	9
27	28.01	32	49.43	124	47.088	194	41.60	116	16.447	384	65.83	129	25.112	146	30.43	19
Nov. 6	27.69	26	48.19	160	46.894	161	40.44	158	16.063	340	64.54	179	24.966	112	30.24	26
16	27.43	17	46.59	191	46.733	121	38.86	195	15.723	284	62.75	227	24.854	69	29.98	32
26	27.26	10	44.68	216	46.612	77	36.91	229	15.439	218	60.48	268	24.785	23	29.66	36
Dez. 6	27.16	0	42.52	234	46.535	28	34.62	256	15.221	145	57.80	304	24.762	24	29.30	38
16	27.16	9	40.18	243	46.507	20	32.06	276	15.076	67	54.76	328	24.786	73	28.92	38
26	27.25	19	37.75	243	46.527	70	29.30	286	15.009	13	51.48	342	24.859	119	28.54	38
36	27.44		35.32		46.597		26.44		15.022		48.06		24.978		28.16	
Mittl. Ort	23.04		44.65		45.220		18.50		16.391		39.12		21.556		36.67	
sec δ, tg δ	2.149		−1.902		1.196		+0.657		1.959		+1.685		1.116		−0.496	
a, *a′*	+5.6		+4.0		+2.2		+4.1		+0.9		+4.4		+3.7		+4.5	
b, *b′*	−0.03		+0.98		+0.01		+0.98		+0.02		+0.98		−0.01		+0.97	

Tag	709) ϑ Serpent. pr. AR.		Dekl.		711) R Lyrae AR.		Dekl.		708) λ Telescopii AR.		Dekl.		713) γ Lyrae AR.		Dekl.	
1937	$18^h\ 53^m$		$+4^\circ\ 7'$		$18^h\ 53^m$		$+43^\circ\ 51'$		$18^h\ 53^m$		$-53^\circ\ 1'$		$18^h\ 56^m$		$+32^\circ\ 35'$	
Jan. 1	4.939	120	13.93	148	23.895	84	46.37	318	24.952	194	21.35	199	34.377	92	69.85	281
11	5.059	156	12.45	144	23.979	138	43.19	311	25.146	254	19.36	192	34.469	138	67.04	277
21	5.215	187	11.01	135	24.117	187	40.08	295	25.400	307	17.44	181	34.607	178	64.27	262
31	5.402	214	9.66	117	24.304	233	37.13	266	25.707	354	15.63	169	34.785	214	61.65	235
Febr. 10	5.616	237	8.49	96	24.537	272	34.47	226	26.061	392	13.94	151	34.999	247	59.30	199
20	5.853	256	7.53	67	24.809	304	32.21	178	26.453	422	12.43	132	35.246	272	57.31	156
März 2	6.109	270	6.86	36	25.113	330	30.43	123	26.875	445	11.11	113	35.518	294	55.75	105
12	6.379	281	6.50	3	25.443	347	29.20	63	27.320	462	9.98	90	35.812	309	54.70	50
22	6.660	288	6.47	33	25.790	358	28.57	1	27.782	472	9.08	67	36.121	317	54.20	6
Apr. 1	6.948	291	6.80	66	26.148	360	28.56	61	28.254	475	8.41	43	36.438	321	54.26	61
11	7.239	289	7.46	97	26.508	354	29.17	119	28.729	471	7.98	19	36.759	318	54.87	115
21	7.528	283	8.43	124	26.862	340	30.36	173	29.200	460	7.79	7	37.077	308	56.02	164
Mai 1	7.811	272	9.67	147	27.202	319	32.09	221	29.660	441	7.86	33	37.385	292	57.66	205
11	8.083	255	11.14	164	27.521	290	34.30	261	30.101	414	8.19	58	37.677	269	59.71	242
21	8.338	233	12.78	176	27.811	253	36.91	292	30.515	378	8.77	83	37.946	241	62.13	269
31	8.571	207	14.54	182	28.064	212	39.83	314	30.893	334	9.60	105	38.187	206	64.82	287
Juni 10	8.778	174	16.36	183	28.276	165	42.97	328	31.227	282	10.65	125	38.393	168	67.69	299
20	8.952	138	18.19	178	28.441	114	46.25	332	31.509	223	11.90	142	38.561	124	70.68	301
30	9.090	99	19.97	171	28.555	60	49.57	328	31.732	159	13.32	154	38.685	77	73.69	297
Juli 9	^{5}9.189	56	21.68	157	^{5}28.615	4	52.85	316	^{5}31.891	91	14.86	162	^{6}38.762	29	76.66	284
19	9.245	14	23.25	143	28.619	50	56.01	297	31.982	20	16.48	163	38.791	19	79.50	267
29	9.259	29	24.68	125	28.569	103	58.98	272	32.002	49	18.11	160	38.772	67	82.17	243
Aug. 8	9.230	69	25.93	106	28.466	152	61.70	241	31.953	115	19.71	149	38.705	110	84.60	213
18	9.161	105	26.99	86	28.314	197	64.11	204	31.838	175	21.20	133	38.595	151	86.73	181
28	9.056	135	27.85	66	28.117	232	66.15	165	31.663	226	22.53	111	38.444	184	88.54	145
Sept. 7	8.921	159	28.51	44	27.885	261	67.80	121	31.437	266	23.64	82	38.260	209	89.99	107
17	8.762	173	28.95	24	27.624	279	69.01	75	31.171	292	24.46	51	38.051	226	91.06	65
27	8.589	179	29.19	1	27.345	288	69.76	27	30.879	302	24.97	15	37.825	234	91.71	23
Okt. 7	8.410	175	29.20	19	27.057	283	70.03	22	30.577	297	25.12	20	37.591	230	91.94	21
17	8.235	161	29.01	40	26.774	270	69.81	71	30.280	276	24.92	58	37.361	217	91.73	65
27	8.074	139	28.61	61	26.504	245	69.10	120	30.004	240	24.34	92	37.144	195	91.08	107
Nov. 6	7.935	108	28.00	81	26.259	210	67.90	167	29.764	190	23.42	123	36.949	164	90.01	149
16	7.827	73	27.19	100	26.049	168	66.23	210	29.574	131	22.19	150	36.785	126	88.52	187
26	7.754	32	26.19	117	25.881	119	64.13	249	29.443	64	20.69	172	36.659	83	86.65	220
Dez. 6	7.722	9	25.02	132	25.762	65	61.64	279	29.379	7	18.97	186	36.576	35	84.45	249
16	7.731	52	23.70	143	25.697	9	58.85	303	29.386	78	17.11	195	36.541	12	81.96	269
26	7.783	92	22.27	148	25.688	47	55.82	316	29.464	148	15.16	199	36.553	61	79.27	281
36	7.875		20.79		25.735		52.66		29.612		13.17		36.614		76.46	
Mittl. Ort	5.247		12.29		25.112		43.51		25.547		22.50		35.179		67.14	
sec δ, tg δ	1.003		+0.072		1.387		+0.961		1.662		−1.328		1.187		+0.640	
a, a'	+3.0		+4.6		+1.8		+4.6		+4.8		+4.6		+2.2		+4.9	
b, b'	0.00		+0.97		+0.01		+0.97		−0.02		+0.97		+0.01		+0.97	

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Tag	716) ζ Aquilae AR.		Dekl.		717) λ Aquilae AR.		Dekl.		718) α Coron. austr. AR.		Dekl.		720) π Sagittarii AR.		Dekl.	
1937	$19^h\ 2^m$		+13° 45′		$19^h\ 2^m$		−4° 58′		$19^h\ 5^m$		−38° 0′		$19^h\ 6^m$		−21° 7′	
Jan. 1	30.427	103	68.52	198	54.104	117	40.99	92	10.943	148	15.81	114	0.872	129	30.46	9
11	30.530	140	66.54	194	54.221	153	41.91	89	11.091	193	14.67	114	1.001	166	30.37	11
21	30.670	173	64.60	181	54.374	185	42.80	83	11.284	234	13.53	110	1.167	200	30.26	13
31	30.843	204	62.79	162	54.559	212	43.63	70	11.518	269	12.43	106	1.367	228	30.13	17
Febr. 10	31.047	229	61.17	135	54.771	235	44.33	53	11.787	298	11.37	101	1.595	254	29.96	25
20	31.276	250	59.82	101	55.006	255	44.86	33	12.085	321	10.36	96	1.849	273	29.71	32
März 2	31.526	267	58.81	63	55.261	270	45.19	9	12.406	341	9.40	89	2.122	290	29.39	41
12	31.793	280	58.18	21	55.531	281	45.28	17	12.747	356	8.51	82	2.412	302	28.98	51
22	32.073	289	57.97	21	55.812	290	45.11	42	13.103	365	7.69	73	2.714	312	28.47	60
Apr. 1	32.362	293	58.18	64	56.102	295	44.69	67	13.468	371	6.96	65	3.026	316	27.87	68
11	32.655	293	58.82	104	56.397	294	44.02	89	13.839	371	6.31	53	3.342	318	27.19	75
21	32.948	287	59.86	140	56.691	290	43.13	109	14.210	366	5.78	41	3.660	313	26.44	78
Mai 1	33.235	276	61.26	170	56.981	281	42.04	123	14.576	355	5.37	26	3.973	304	25.66	78
11	33.511	260	62.96	194	57.262	267	40.81	135	14.931	337	5.11	10	4.277	290	24.88	77
21	33.771	238	64.90	213	57.529	245	39.46	140	15.268	312	5.01	6	4.567	269	24.11	71
31	34.009	209	67.03	224	57.774	221	38.06	142	15.580	280	5.07	23	4.836	243	23.40	63
Juni 10	34.218	178	69.27	229	57.995	190	36.64	139	15.860	242	5.30	40	5.079	210	22.77	53
20	34.396	140	71.56	228	58.185	154	35.25	132	16.102	198	5.70	55	5.289	173	22.24	42
30	34.536	99	73.84	221	58.339	114	33.93	123	16.300	149	6.25	70	5.462	130	21.82	30
Juli 9	34.635	58	76.05	209	58.453	72	32.70	111	16.449	96	6.95	80	5.592	85	21.52	18
19	34.693	13	78.14	192	58.525	28	31.59	97	16.545	41	7.75	88	5.677	39	21.34	7
29	34.706	30	80.06	173	58.553	15	30.62	82	16.586	14	8.63	92	5.716	8	21.27	3
Aug. 8	34.676	72	81.79	150	58.538	57	29.80	67	16.572	66	9.55	91	5.708	53	21.30	11
18	34.604	108	83.29	125	58.481	94	29.13	51	16.506	115	10.46	86	5.655	94	21.41	16
28	34.496	140	84.54	98	58.387	126	28.62	37	16.391	157	11.32	75	5.561	130	21.57	19
Sept. 7	34.356	164	85.52	70	58.261	151	28.25	23	16.234	188	12.07	62	5.431	157	21.76	20
17	34.192	181	86.22	41	58.110	168	28.02	10	16.046	211	12.69	44	5.274	175	21.96	18
27	34.011	188	86.63	12	57.942	175	27.92	3	15.835	222	13.13	24	5.099	185	22.14	15
Okt. 7	33.823	185	86.75	18	57.767	172	27.95	15	15.613	219	13.37	2	4.914	182	22.29	11
17	33.638	173	86.57	47	57.595	160	28.10	27	15.394	204	13.39	21	4.732	169	22.40	5
27	33.465	153	86.10	77	57.435	138	28.37	39	15.190	179	13.18	42	4.563	146	22.45	1
Nov. 6	33.312	124	85.33	105	57.297	109	28.76	51	15.011	141	12.76	62	4.417	115	22.46	3
16	33.188	90	84.28	131	57.188	74	29.27	62	14.870	97	12.14	79	4.302	77	22.43	6
26	33.098	50	82.97	155	57.114	35	29.89	73	14.773	46	11.35	94	4.225	35	22.37	7
Dez. 6	33.048	9	81.42	174	57.079	8	30.62	82	14.727	7	10.41	103	4.190	10	22.30	8
16	33.039	33	79.68	190	57.087	49	31.44	89	14.734	61	9.38	110	4.200	55	22.22	8
26	33.072	76	77.78	197	57.136	90	32.33	93	14.795	113	8.28	112	4.255	99	22.14	8
36	33.148		75.81		57.226		33.26		14.908		7.16		4.354		22.06	
Mittl. Ort	30.840		66.17		54.340		42.64		11.242		16.61		1.073		31.62	
sec δ, tg δ	1.030		+0.245		1.004		−0.087		1.269		−0.781		1.072		−0.386	
a, *a′*	+2.8		+5.4		+3.2		+5.4		+4.1		+5.6		+3.6		+5.7	
b, *b′*	0.00		+0.96		0.00		+0.96		−0.01		+0.96		−0.01		+0.96	

Tag	723) δ Draconis AR.		723) δ Draconis Dekl.		724) ϑ Lyrae AR.		724) ϑ Lyrae Dekl.		725) ω Aquilae AR.		725) ω Aquilae Dekl.		726) ϰ Cygni AR.		726) ϰ Cygni Dekl.	
1937	19ʰ 12ᵐ		+67° 32′		19ʰ 14ᵐ		+38° 1′		19ʰ 14ᵐ		+11° 28′		19ʰ 15ᵐ		+53° 14′	
	s		″		s		″		s		″		s		″	
Jan. 1	29.30	1	68.07	342	9.890	66	17.95	295	51.175	93	52.35	182	37.148	37	70.63	330
11	29.29	10	64.65	343	9.956	114	15.00	294	51.268	129	50.53	179	37.185	103	67.33	330
21	29.39	20	61.22	332	10.070	160	12.06	280	51.397	163	48.74	168	37.288	166	64.03	318
31	29.59	31	57.90	307	10.230	201	9.26	256	51.560	193	47.06	150	37.454	226	60.85	294
Febr. 10	29.90	39	54.83	271	10.431	239	6.70	222	51.753	220	45.56	125	37.680	279	57.91	257
20	30.29	47	52.12	224	10.670	271	4.48	178	51.973	241	44.31	94	37.959	326	55.34	210
März 2	30.76	53	49.88	168	10.941	296	2.70	128	52.214	260	43.37	57	38.285	363	53.24	156
12	31.29	58	48.20	107	11.237	317	1.42	71	52.474	275	42.80	18	38.648	392	51.68	96
22	31.87	60	47.13	40	11.554	330	0.71	13	52.749	285	42.62	22	39.040	411	50.72	31
Apr. 1	32.47	62	46.73	25	11.884	337	0.58	46	53.034	292	42.84	63	39.451	418	50.41	33
11	33.09	61	46.98	91	12.221	337	1.04	103	53.326	293	43.47	101	39.869	417	50.74	96
21	33.70	58	47.89	151	12.558	330	2.07	155	53.619	290	44.48	135	40.286	404	51.70	155
Mai 1	34.28	54	49.40	206	12.888	315	3.62	203	53.909	281	45.83	164	40.690	382	53.25	208
11	34.82	48	51.46	255	13.203	292	5.65	242	54.190	267	47.47	188	41.072	349	55.33	254
21	35.30	41	54.01	294	13.495	264	8.07	274	54.457	246	49.35	206	41.421	307	57.87	291
31	35.71	33	56.95	324	13.759	228	10.81	297	54.703	220	51.41	217	41.728	259	60.78	320
Juni 10	36.04	23	60.19	346	13.987	188	13.78	313	54.923	189	53.58	221	41.987	203	63.98	340
20	36.27	15	63.65	357	14.175	141	16.91	319	55.112	153	55.79	220	42.190	142	67.38	349
30	36.42	4	67.22	360	14.316	92	20.10	318	55.265	113	57.99	213	42.332	79	70.87	351
Juli 10	36.46	6	70.82	354	14.408	41	23.28	308	55.378	71	60.12	202	42.411	13	74.38	344
	10				11				11				11			
19	36.40	15	74.36	340	14.449	10	26.36	293	55.449	27	62.14	186	42.424	53	77.82	329
29	36.25	25	77.76	318	14.439	62	29.29	270	55.476	18	64.00	167	42.371	117	81.11	307
Aug. 8	36.00	33	80.94	290	14.377	109	31.99	242	55.458	58	65.67	146	42.254	176	84.18	278
18	35.67	42	83.84	256	14.268	153	34.41	210	55.400	97	67.13	121	42.078	229	86.96	243
28	35.25	48	86.40	215	14.115	191	36.51	172	55.303	130	68.34	97	41.849	276	89.39	204
Sept. 7	34.77	53	88.55	171	13.924	220	38.23	133	55.173	156	69.31	70	41.573	313	91.43	161
17	34.24	57	90.26	122	13.704	240	39.56	90	55.017	173	70.01	43	41.260	339	93.04	113
27	33.67	60	91.48	71	13.464	252	40.46	45	54.844	183	70.44	16	40.921	354	94.17	63
Okt. 7	33.07	60	92.19	17	13.212	252	40.91	0	54.661	182	70.60	12	40.567	357	94.80	11
17	32.47	58	92.36	38	12.960	242	40.91	48	54.479	172	70.48	40	40.210	346	94.91	42
27	31.89	56	91.98	93	12.718	222	40.43	95	54.307	154	70.08	67	39.864	325	94.49	95
Nov. 6	31.33	51	91.05	147	12.496	193	39.48	139	54.153	127	69.41	93	39.539	292	93.54	146
16	30.82	45	89.58	198	12.303	158	38.09	182	54.026	94	68.48	118	39.247	248	92.08	195
26	30.37	37	87.60	245	12.145	114	36.27	219	53.932	56	67.30	140	38.999	196	90.13	240
Dez. 6	30.00	29	85.15	284	12.031	68	34.08	252	53.876	17	65.90	159	38.803	137	87.73	276
16	29.71	18	82.31	315	11.963	18	31.56	276	53.859	25	64.31	173	38.666	73	84.97	306
26	29.53	8	79.16	337	11.945	33	28.80	292	53.884	65	62.58	181	38.593	7	81.91	325
36	29.45		75.79		11.978		25.88		53.949		60.77		38.586		78.66	
Mittl. Ort	32.75		62.33		10.837		13.59		51.546		49.54		38.863		65.26	
sec δ, tg δ	2.619		+2.420		1.269		+0.782		1.020		+0.203		1.671		+1.339	
a, *a′*	0.0		+6.2		+2.1		+6.4		+2.8		+6.4		+1.4		+6.5	
b, *b′*	+0.05		+0.95		+0.02		+0.95		0.00		+0.95		+0.03		+0.95	

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Tag	729) τ Draconis AR.		729) τ Draconis Dekl.		728) α Sagittarii AR.		728) α Sagittarii Dekl.		730) δ Aquilae AR.		730) δ Aquilae Dekl.		733) ι Cygni AR.		733) ι Cygni Dekl.	
1937	$19^h\,16^m$		$+73^\circ\,14'$		$19^h\,19^m$		$-40^\circ\,43'$		$19^h\,22^m$		$+2^\circ\,59'$		$19^h\,28^m$		$+51^\circ\,35'$	
Jan. 1	41.61	7	27.15	339	31.099	132	70.22	135	19.039	93	18.37	133	5.528	22	47.50	322
11	41.54	8	23.76	343	31.231	180	68.87	136	19.132	129	17.04	130	5.550	85	44.28	326
21	41.62	22	20.33	332	31.411	224	67.51	134	19.261	161	15.74	122	5.635	147	41.02	316
31	41.84	35	17.01	310	31.635	261	66.17	131	19.422	190	14.52	106	5.782	204	37.86	295
Febr. 10	42.19	48	13.91	276	31.896	293	64.86	125	19.612	216	13.46	86	5.986	257	34.91	260
20	42.67	59	11.15	230	32.189	321	63.61	119	19.828	238	12.60	59	6.243	303	32.31	217
März 2	43.26	67	8.85	176	32.510	343	62.42	111	20.066	256	12.01	31	6.546	342	30.14	164
12	43.93	74	7.09	114	32.853	360	61.31	102	20.322	271	11.70	2	6.888	372	28.50	105
22	44.67	78	5.95	51	33.213	374	60.29	92	20.593	283	11.72	36	7.260	394	27.45	42
Apr. 1	45.45	79	5.44	16	33.587	382	59.37	79	20.876	290	12.08	67	7.654	406	27.03	21
11	46.24	78	5.60	81	33.969	385	58.58	66	21.166	293	12.75	98	8.060	407	27.24	84
21	47.02	75	6.41	142	34.354	382	57.92	50	21.459	292	13.73	125	8.467	399	28.08	143
Mai 1	47.77	69	7.83	197	34.736	373	57.42	33	21.751	285	14.98	148	8.866	380	29.51	197
11	48.46	61	9.80	246	35.109	357	57.09	14	22.036	272	16.46	165	9.246	352	31.48	245
21	49.07	52	12.26	287	35.466	333	56.95	6	22.308	254	18.11	177	9.598	315	33.93	282
31	49.59	40	15.13	319	35.799	302	57.01	26	22.562	230	19.88	183	9.913	270	36.75	314
Juni 10	49.99	29	18.32	341	36.101	264	57.27	45	22.792	200	21.71	185	10.183	218	39.89	335
20	50.28	17	21.73	355	36.365	219	57.72	64	22.992	165	23.56	180	10.401	161	43.24	347
30	50.45	3	25.28	359	36.584	169	58.36	80	23.157	126	25.36	172	10.562	100	46.71	350
Juli 10	50.48	10	28.87	354	36.753	114	59.16	93	23.283	85	27.08	161	10.662	36	50.21	345
19	50.38	23	32.41	342	36.867	58	60.09	102	23.368	41	28.69	145	10.698	28	53.66	333
29	50.15	35	35.83	322	36.925	1	61.11	108	23.409	3	30.14	127	10.670	90	56.99	312
Aug. 8	49.80	46	39.05	295	36.924	56	62.19	108	23.406	45	31.41	110	10.580	149	60.11	285
18	49.34	56	42.00	262	36.868	107	63.27	103	23.361	84	32.51	89	10.431	203	62.96	253
28	48.78	65	44.62	224	36.761	153	64.30	93	23.277	117	33.40	68	10.228	250	65.49	215
Sept. 7	48.13	72	46.86	179	36.608	190	65.23	79	23.160	145	34.08	49	9.978	288	67.64	173
17	47.41	78	48.65	133	36.418	215	66.02	59	23.015	163	34.57	28	9.690	316	69.37	126
27	46.63	80	49.98	81	36.203	229	66.61	37	22.852	173	34.85	7	9.374	333	70.63	77
Okt. 7	45.83	82	50.79	29	35.974	231	66.98	13	22.679	174	34.92	12	9.041	338	71.40	27
17	45.01	80	51.08	27	35.743	218	67.11	13	22.505	165	34.80	32	8.703	332	71.67	26
27	44.21	77	50.81	82	35.525	194	66.98	38	22.340	147	34.48	51	8.371	313	71.41	79
Nov. 6	43.44	71	49.99	136	35.331	160	66.60	63	22.193	122	33.97	70	8.058	283	70.62	131
16	42.73	64	48.63	188	35.171	116	65.97	83	22.071	89	33.27	87	7.775	245	69.31	180
26	42.09	54	46.75	236	35.055	66	65.14	101	21.982	53	32.40	104	7.530	196	67.51	225
Dez. 6	41.55	43	44.39	276	34.989	12	64.13	116	21.929	14	31.36	116	7.334	141	65.26	264
16	41.12	29	41.63	309	34.977	43	62.97	125	21.915	27	30.20	128	7.193	83	62.62	295
26	40.83	16	38.54	332	35.020	96	61.72	132	21.942	65	28.92	133	7.110	19	59.67	317
36	40.67		35.22		35.116		60.40		22.007		27.59		7.091		56.50	
Mittl. Ort	46.55		20.68		31.429		70.54		19.314		15.81		7.088		41.05	
sec δ, tg δ	3.467		+3.320		1.320		−0.861		1.001		+0.052		1.610		+1.261	
a, *a′*	−1.1		+6.6		+4.2		+6.8		+3.0		+7.0		+1.5		+7.5	
b, *b′*	+0.07		+0.94		−0.02		+0.94		0.00		+0.94		+0.03		+0.93	

Tag	732) β Cygni AR.		732) β Cygni Dekl.		736) *h* Sagittarii AR.		736) *h* Sagittarii Dekl.		738) ϑ Cygni AR.		738) ϑ Cygni Dekl.		742) δ Cygni AR.		742) δ Cygni Dekl.	
1937	$19^h\ 28^m$		$+27^\circ\ 49'$		$19^h\ 32^m$		$-25^\circ\ 1'$		$19^h\ 34^m$		$+50^\circ\ 4'$		$19^h\ 42^m$		$+44^\circ\ 58'$	
Jan. 1	$10^s.175$	63	$38''.79$	254	$52^s.318$	103	$26''.70$	41	$43^s.657$	16	$34''.31$	317	$59^s.232$	18	$40''.84$	303
11	10.238	106	36.25	254	52.421	142	26.29	45	43.673	77	31.14	322	59.250	72	37.81	308
21	10.344	144	33.71	243	52.563	177	25.84	48	43.750	136	27.92	313	59.322	125	34.73	302
31	10.488	181	31.28	222	52.740	210	25.36	54	43.886	192	24.79	292	59.447	174	31.71	282
Febr. 10	10.669	213	29.06	193	52.950	237	24.82	59	44.078	243	21.87	260	59.621	221	28.89	252
20	10.882	242	27.13	154	53.187	261	24.23	65	44.321	289	19.27	218	59.842	262	26.37	212
März 2	11.124	267	25.59	110	53.448	282	23.58	72	44.610	328	17.09	167	60.104	298	24.25	162
12	11.391	285	24.49	59	53.730	298	22.86	79	44.938	358	15.42	108	60.402	328	22.63	107
22	11.676	301	23.90	8	54.028	312	22.07	84	45.296	381	14.34	47	60.730	349	21.56	47
Apr. 1	11.977	309	23.82	45	54.340	322	21.23	89	45.677	394	13.87	17	61.079	364	21.09	14
11	12.286	313	24.27	96	54.662	327	20.34	90	46.071	398	14.04	79	61.443	369	21.23	74
21	12.599	310	25.23	143	54.989	328	19.44	91	46.469	392	14.83	137	61.812	367	21.97	132
Mai 1	12.909	301	26.66	186	55.317	323	18.53	86	46.861	375	16.20	192	62.179	355	23.29	185
11	13.210	285	28.52	221	55.640	312	17.67	81	47.236	350	18.12	239	62.534	335	25.14	230
21	13.495	262	30.73	249	55.952	293	16.86	71	47.586	316	20.51	279	62.869	307	27.44	270
31	13.757	233	33.22	270	56.245	270	16.15	59	47.902	274	23.30	309	63.176	270	30.14	299
Juni 10	13.990	199	35.92	283	56.515	239	15.56	46	48.176	224	26.39	331	63.446	227	33.13	322
20	14.189	159	38.75	289	56.754	202	15.10	32	48.400	170	29.70	345	63.673	178	36.35	334
30	14.348	115	41.64	287	56.956	160	14.78	15	48.570	110	33.15	349	63.851	124	39.69	339
Juli 10	14.463	69	44.51	278	57.116	115	14.63	2	48.680	49	36.64	345	63.975	69	43.08	336
	14				15				16				18			
19	14.532	22	47.29	263	57.231	66	14.61	13	48.729	13	40.09	332	64.044	10	46.44	324
29	14.554	26	49.92	243	57.297	17	14.74	23	48.716	75	43.41	314	64.054	46	49.68	306
Aug. 8	14.528	71	52.35	218	57.314	31	14.97	33	48.641	132	46.55	288	64.008	100	52.74	282
18	14.457	112	54.53	189	57.283	76	15.30	39	48.509	186	49.43	256	63.908	150	55.56	251
28	14.345	149	56.42	156	57.207	115	15.69	41	48.323	232	51.99	219	63.758	195	58.07	215
Sept. 7	14.196	177	57.98	122	57.092	148	16.10	41	48.091	271	54.18	178	63.563	231	60.22	176
17	14.019	199	59.20	84	56.944	171	16.51	38	47.820	299	55.96	133	63.332	259	61.98	133
27	13.820	211	60.04	45	56.773	184	16.89	31	47.521	317	57.29	84	63.073	277	63.31	86
Okt. 7	13.609	213	60.49	6	56.589	188	17.20	22	47.204	323	58.13	34	62.796	284	64.17	38
17	13.396	206	60.55	35	56.401	179	17.42	13	46.881	318	58.47	18	62.512	280	64.55	12
27	13.190	188	60.20	76	56.222	161	17.55	4	46.563	302	58.29	71	62.232	265	64.43	63
Nov. 6	13.002	165	59.44	115	56.061	133	17.59	7	46.261	274	57.58	122	61.967	242	63.80	113
16	12.837	132	58.29	151	55.928	99	17.52	15	45.987	237	56.36	172	61.725	208	62.67	160
26	12.705	95	56.78	185	55.829	59	17.37	22	45.750	192	54.64	216	61.517	168	61.07	204
Dez. 6	12.610	53	54.93	215	55.770	15	17.15	29	45.558	140	52.48	256	61.349	122	59.03	242
16	12.557	11	52.78	236	55.755	29	16.86	33	45.418	83	49.92	288	61.227	70	56.61	274
26	12.546	34	50.42	251	55.784	72	16.53	38	45.335	24	47.04	310	61.157	19	53.87	296
36	12.580		47.91		55.856		16.15		45.311		43.94		61.138		50.91	
Mittl. Ort	10.805		34.09		52.510		27.48		45.098		27.34		60.377		33.56	
sec δ, tg δ	1.131		+0.528		1.104		−0.467		1.558		+1.195		1.414		+0.999	
a, *a′*	+2.4		+7.5		+3.6		+7.9		+1.6		+8.1		+1.9		+8.7	
b, *b′*	+0.01		+0.93		−0.01		+0.92		+0.03		+0.92		+0.03		+0.90	

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Tag	741) γ Aquilae AR.		741) γ Aquilae Dekl.		743) δ Sagittae AR.		743) δ Sagittae Dekl.		745) α Aquilae[1] AR.		745) α Aquilae[1] Dekl.		747) ε Draconis AR.		747) ε Draconis Dekl.	
1937	19h 43m		+10° 27′		19h 44m		+18° 22′		19h 47m		+8° 41′		19h 48m		+70° 6′	
Jan. 1	15.546	66	34.37	168	34.285	57	44.35	207	42.263	67	66.03	155	20.01	12	36.43	327
11	15.612	102	32.69	166	34.342	95	42.28	207	42.330	102	64.48	154	19.89	1	33.16	338
21	15.714	136	31.03	158	34.437	131	40.21	198	42.432	136	62.94	146	19.88	12	29.78	337
31	15.850	168	29.45	142	34.568	164	38.23	182	42.568	168	61.48	130	20.00	24	26.41	322
Febr. 10	16.018	196	28.03	120	34.732	195	36.41	156	42.736	195	60.18	108	20.24	34	23.19	295
20	16.214	221	26.83	90	34.927	222	34.85	123	42.931	220	59.10	80	20.58	45	20.24	256
März 2	16.435	243	25.93	56	35.149	246	33.62	85	43.151	242	58.30	48	21.03	53	17.68	206
12	16.678	261	25.37	19	35.395	265	32.77	42	43.393	262	57.82	11	21.56	60	15.62	150
22	16.939	277	25.18	20	35.660	282	32.35	3	43.655	276	57.71	26	22.16	65	14.12	88
Apr. 1	17.216	288	25.38	59	35.942	293	32.38	48	43.931	288	57.97	64	22.81	67	13.24	22
11	17.504	295	25.97	97	36.235	300	32.86	93	44.219	295	58.61	100	23.48	69	13.02	43
21	17.799	295	26.94	131	36.535	301	33.79	133	44.514	296	59.61	132	24.17	67	13.45	106
Mai 1	18.094	291	28.25	160	36.836	296	35.12	170	44.810	292	60.93	161	24.84	64	14.51	165
11	18.385	281	29.85	184	37.132	285	36.82	200	45.102	283	62.54	182	25.48	59	16.16	218
21	18.666	265	31.69	203	37.417	267	38.82	224	45.385	267	64.36	200	26.07	52	18.34	264
31	18.931	241	33.72	215	37.684	242	41.06	241	45.652	244	66.36	211	26.59	44	20.98	302
Juni 10	19.172	213	35.87	221	37.926	213	43.47	251	45.896	216	68.47	216	27.03	35	24.00	331
20	19.385	179	38.08	220	38.139	177	45.98	255	46.112	182	70.63	214	27.38	25	27.31	351
30	19.564	140	40.28	215	38.316	137	48.53	251	46.294	144	72.77	208	27.63	13	30.82	362
Juli 10	19.704	98	42.43	205	38.453	94	51.04	243	46.438	102	74.85	197	27.76	3	34.44	364
	18				18				19				19			
19	19.802	54	44.48	189	38.547	48	53.47	228	46.540	58	76.82	183	27.79	9	38.08	359
29	19.856	10	46.37	172	38.595	3	55.75	210	46.598	14	78.65	164	27.70	20	41.67	343
Aug. 8	19.866	34	48.09	150	38.598	41	57.85	188	46.612	29	80.29	143	27.50	29	45.10	323
18	19.832	74	49.59	128	38.557	82	59.73	162	46.583	70	81.72	121	27.21	40	48.33	295
28	19.758	110	50.87	104	38.475	118	61.35	134	46.513	106	82.93	97	26.81	47	51.28	260
Sept. 7	19.648	139	51.91	78	38.357	149	62.69	105	46.407	135	83.90	73	26.34	54	53.88	220
17	19.509	161	52.69	51	38.208	170	63.74	73	46.272	157	84.63	48	25.80	61	56.08	176
27	19.348	174	53.20	26	38.038	185	64.47	41	46.115	171	85.11	23	25.19	64	57.84	126
Okt. 7	19.174	178	53.46	1	37.853	188	64.88	8	45.944	174	85.34	3	24.55	66	59.10	75
17	18.996	172	53.45	28	37.665	184	64.96	25	45.770	170	85.31	26	23.89	67	59.85	19
27	18.824	159	53.17	53	37.481	170	64.71	58	45.600	156	85.05	51	23.22	64	60.04	37
Nov. 6	18.665	136	52.64	79	37.311	149	64.13	90	45.444	134	84.54	74	22.58	62	59.67	93
16	18.529	109	51.85	103	37.162	120	63.23	121	45.310	106	83.80	97	21.96	56	58.74	148
26	18.420	74	50.82	124	37.042	87	62.02	148	45.204	72	82.83	116	21.40	49	57.26	200
Dez. 6	18.346	38	49.58	143	36.955	49	60.54	173	45.132	37	81.67	134	20.91	40	55.26	247
16	18.308	1	48.15	157	36.906	10	58.81	192	45.095	2	80.33	147	20.51	31	52.79	285
26	18.309	39	46.58	167	36.896	30	56.89	204	45.097	40	78.86	154	20.20	19	49.94	316
36	18.348		44.91		36.926		54.85		45.137		77.32		20.01		46.78	
Mittl. Ort	15.861		30.44		34.702		39.54		42.554		62.21		23.78		26.72	
sec δ, tg δ	1.017		+0.185		1.054		+0.332		1.012		+0.153		2.939		+2.764	
a, *a′*	+2.9		+8.7		+2.7		+8.8		+2.9		+9.1		−0.2		+9.1	
b, *b′*	+0.01		+0.90		+0.01		+0.90		0.00		+0.89		+0.08		+0.89	

[1]) Die jährliche Parallaxe (0″204) ist bereits berücksichtigt.

Tag	749) β Aquilae AR.	Δ	Dekl.	Δ	748) ε Pavonis AR.	Δ	Dekl.	Δ	750) ψ Cygni AR.	Δ	Dekl.	Δ	751) ϑ¹ Sagittarii AR.	Δ	Dekl.	Δ
1937	19ʰ 52ᵐ		+6° 14′		19ʰ 53ᵐ		−73° 4′		19ʰ 53ᵐ		+52° 16′		19ʰ 55ᵐ		−35° 26′	
Jan. 1	12.851	61	56.99	144	18.09	10	48.28	305	58.591	19	24.31	313	38.067	82	54.61	110
11	12.912	97	55.55	142	18.19	23	45.23	311	58.572	45	21.18	322	38.149	126	53.51	116
21	13.009	130	54.13	134	18.42	36	42.12	308	58.617	108	17.96	318	38.275	166	52.35	121
31	13.139	161	52.79	120	18.78	47	39.04	297	58.725	167	14.78	302	38.441	204	51.14	125
Febr. 10	13.300	188	51.59	99	19.25	58	36.07	281	58.892	224	11.76	274	38.645	237	49.89	126
20	13.488	215	50.60	73	19.83	67	33.26	257	59.116	276	9.02	235	38.882	267	48.63	128
März 2	13.703	237	49.87	42	20.50	75	30.69	230	59.392	321	6.67	187	39.149	292	47.35	127
12	13.940	256	49.45	7	21.25	81	28.39	198	59.713	358	4.80	131	39.441	314	46.08	125
22	14.196	273	49.38	27	22.06	86	26.41	161	60.071	387	3.49	70	39.755	334	44.83	121
Apr. 1	14.469	285	49.65	63	22.92	89	24.80	124	60.458	405	2.79	7	40.089	347	43.62	116
11	14.754	293	50.28	96	23.81	91	23.56	83	60.863	415	2.72	57	40.436	358	42.46	107
21	15.047	296	51.24	127	24.72	90	22.73	41	61.278	414	3.29	116	40.794	361	41.39	96
Mai 1	15.343	293	52.51	153	25.62	89	22.32	2	61.692	401	4.45	173	41.155	361	40.43	82
11	15.636	285	54.04	175	26.51	86	22.34	45	62.093	378	6.18	223	41.516	351	39.61	66
21	15.921	270	55.79	189	27.37	80	22.79	87	62.471	346	8.41	266	41.867	335	38.95	48
31	16.191	249	57.68	200	28.17	73	23.66	125	62.817	305	11.07	300	42.202	312	38.47	27
Juni 10	16.440	221	59.68	203	28.90	63	24.91	162	63.122	255	14.07	326	42.514	280	38.20	7
20	16.661	188	61.71	201	29.53	54	26.53	193	63.377	200	17.33	344	42.794	242	38.13	14
30	16.849	151	63.72	195	30.07	41	28.46	219	63.577	139	20.77	352	43.036	198	38.27	35
Juli 10	17.000	110	65.67	184	30.48	28	30.65	238	63.716	76	24.29	353	43.234	148	38.62	53
20	$_{20}$17.110	65	67.51	169	$_{21}$30.76	15	33.03	250	$_{21}$63.792	10	27.82	343	$_{21}$43.382	96	39.15	69
29	17.175	21	69.20	151	30.91	0	35.53	253	63.802	54	31.25	328	43.478	40	39.84	82
Aug. 8	17.196	22	70.71	131	30.91	14	38.06	248	63.748	116	34.53	306	43.518	13	40.66	89
18	17.174	63	72.02	111	30.77	27	40.54	234	63.632	174	37.59	276	43.505	65	41.55	94
28	17.111	100	73.13	87	30.50	39	42.88	209	63.458	224	40.35	242	43.440	112	42.49	92
Sept. 7	17.011	130	74.00	65	30.11	50	44.97	178	63.234	268	42.77	202	43.328	151	43.41	85
17	16.881	153	74.65	41	29.61	59	46.75	137	62.966	302	44.79	158	43.177	181	44.26	75
27	16.728	167	75.06	19	29.02	64	48.12	92	62.664	324	46.37	111	42.996	200	45.01	59
Okt. 7	16.561	173	75.25	4	28.38	67	49.04	40	62.340	335	47.48	61	42.796	209	45.60	41
17	16.388	168	75.21	26	27.71	67	49.44	13	62.005	336	48.09	7	42.587	206	46.01	21
27	16.220	156	74.95	49	27.04	64	49.31	67	61.669	323	48.16	45	42.381	190	46.22	1
Nov. 6	16.064	135	74.46	69	26.40	58	48.64	120	61.346	300	47.71	98	42.191	165	46.21	22
16	15.929	108	73.77	90	25.82	49	47.44	169	61.046	266	46.73	150	42.026	131	45.99	44
26	15.821	75	72.87	108	25.33	39	45.75	212	60.780	225	45.23	198	41.895	90	45.55	61
Dez. 6	15.746	40	71.79	124	24.94	27	43.63	249	60.555	174	43.25	241	41.805	46	44.94	79
16	15.706	3	70.55	135	24.67	13	41.14	276	60.381	119	40.84	277	41.759	2	44.15	91
26	15.703	34	69.20	143	24.54	0	38.38	296	60.262	58	38.07	303	41.761	49	43.24	103
36	15.737		67.77		24.54		35.42		60.204		35.04		41.810		42.21	
Mittl. Ort	13.106		53.18		20.23		46.31		60.086		15.41		38.301		54.22	
sec δ, tg δ	1.006		+0.109		3.436		−3.287		1.634		+1.293		1.228		−0.712	
a, *a′*	+2.9		+9.4		+6.9		+9.5		+1.6		+9.6		+3.9		+9.7	
b, *b′*	0.00		+0.88		−0.10		+0.88		+0.04		+0.88		−0.02		+0.88	

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Tag	752) γ Sagittae AR.		752) γ Sagittae Dekl.		754) δ Pavonis AR.		754) δ Pavonis Dekl.		756) ϑ Aquilae AR.		756) ϑ Aquilae Dekl.		759) ϰ Cephei AR.		759) ϰ Cephei Dekl.	
1937	$19^h\ 55^m$		$+19°\ 19'$		$20^h\ 2^m$		$-66°\ 20'$		$20^h\ 8^m$		$-1°\ 0'$		$20^h\ 10^m$		$+77°\ 31'$	
Jan. 1	56.883	44	16.90	206	32.55	8	45.16	274	3.119	51	31.46	98	56.45	35	33.71	309
11	56.927	83	14.84	209	32.63	17	42.42	282	3.170	87	32.44	94	56.10	17	30.62	327
21	57.010	120	12.75	201	32.80	26	39.60	283	3.257	119	33.38	87	55.93	—4	27.35	334
31	57.130	153	10.74	185	33.06	35	36.77	277	3.376	150	34.25	74	55.97	22	24.01	327
Febr. 10	57.283	184	8.89	161	33.41	42	34.00	264	3.526	178	34.99	57	56.19	40	20.74	307
20	57.467	213	7.28	129	33.83	49	31.36	247	3.704	204	35.56	34	56.59	58	17.67	275
März 2	57.680	239	5.99	91	34.32	54	28.89	225	3.908	228	35.90	9	57.17	73	14.92	233
12	57.919	260	5.08	48	34.86	60	26.64	199	4.136	249	35.99	—19	57.90	86	12.59	181
22	58.179	279	4.60	3	35.46	63	24.65	168	4.385	266	35.80	48	58.76	95	10.78	122
Apr. 1	58.458	292	4.57	—43	36.09	66	22.97	135	4.651	282	35.32	76	59.71	101	9.56	60
11	58.750	301	5.00	88	36.75	67	21.62	99	4.933	292	34.56	104	60.72	104	8.96	—5
21	59.051	304	5.88	130	37.42	68	20.63	61	5.225	298	33.52	127	61.76	104	9.01	67
Mai 1	59.355	300	7.18	167	38.10	67	20.02	23	5.523	299	32.25	147	62.80	99	9.68	129
11	59.655	291	8.85	199	38.77	65	19.79	—18	5.822	292	30.78	162	63.79	93	10.97	184
21	59.946	274	10.84	224	39.42	62	19.97	56	6.114	281	29.16	172	64.72	82	12.81	234
31	60.220	252	13.08	243	40.04	57	20.53	95	6.395	262	27.44	178	65.54	71	15.15	277
Juni 10	60.472	222	15.51	254	40.61	51	21.48	130	6.657	236	25.66	176	66.25	57	17.92	310
20	60.694	187	18.05	259	41.12	43	22.78	162	6.893	206	23.90	172	66.82	41	21.02	337
30	60.881	148	20.64	257	41.55	35	24.40	190	7.099	169	22.18	163	67.23	25	24.39	354
Juli 10	61.029	104	23.21	250	41.90	25	26.30	211	7.268	129	20.55	150	67.48	8	27.93	363
20	21 61.133	59	25.71	236	23 42.15	15	28.41	226	24 7.397	85	19.05	134	25 67.56	—9	31.56	362
29	61.192	14	28.07	218	42.30	5	30.67	233	7.482	40	17.71	118	67.47	26	35.18	356
Aug. 8	61.206	—32	30.25	197	42.35	—6	33.00	232	7.522	—4	16.53	98	67.21	42	38.74	340
18	61.174	73	32.22	172	42.29	16	35.32	222	7.518	46	15.55	79	66.79	57	42.14	317
28	61.101	111	33.94	143	42.13	25	37.54	204	7.472	84	14.76	60	66.22	71	45.31	289
Sept. 7	60.990	143	35.37	114	41.88	33	39.58	177	7.388	116	14.16	42	65.51	82	48.20	253
17	60.847	166	36.51	82	41.55	40	41.35	144	7.272	141	13.74	23	64.69	92	50.73	212
27	60.681	181	37.33	49	41.15	44	42.79	103	7.131	158	13.51	7	63.77	100	52.85	168
Okt. 7	60.500	188	37.82	16	40.71	46	43.82	57	6.973	166	13.44	—10	62.77	105	54.53	117
17	60.312	185	37.98	—17	40.25	47	44.39	8	6.807	163	13.54	26	61.72	107	55.70	64
27	60.127	173	37.81	52	39.78	45	44.47	—41	6.644	154	13.80	39	60.65	107	56.34	8
Nov. 6	59.954	154	37.29	84	39.33	40	44.06	90	6.490	135	14.19	54	59.58	103	56.42	—50
16	59.800	127	36.45	116	38.93	34	43.16	137	6.355	111	14.73	66	58.55	97	55.92	106
26	59.673	95	35.29	144	38.59	27	41.79	178	6.244	80	15.39	77	57.58	89	54.86	161
Dez. 6	59.578	59	33.85	171	38.32	18	40.01	214	6.164	46	16.16	88	56.69	76	53.25	211
16	59.519	21	32.14	189	38.14	9	37.87	242	6.118	10	17.04	94	55.93	63	51.14	257
26	59.498	—18	30.25	204	38.05	—1	35.45	263	6.108	—26	17.98	99	55.30	46	48.57	292
36	59.516		28.21		38.06		32.82		6.134		18.97		54.84		45.65	
Mittl. Ort	57.287		11.41		33.83		42.79		3.288		34.81		62.72		21.22	
sec δ, tg δ	1.060		+0.351		2.492		−2.283		1.000		−0.018		4.628		+4.519	
a, *a'*	+2.7		+9.7		+5.7		+10.2		+3.1		+10.6		−2.0		+10.8	
b, *b'*	+0.01		+0.87		−0.08		+ 0.86		0.00		+ 0.85		+0.16		+ 0.84	

Tag	757) o^1 Cygni sq.				760) 24 Vulpeculae				761) α^2 Capricorni				765) γ Cygni			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1937	$20^h\ 11^m$		$+46°\ 32'$		$20^h\ 14^m$		$+24°\ 28'$		$20^h\ 14^m$		$-12°\ 44'$		$20^h\ 19^m$		$+40°\ 3'$	
Jan. 1	37.768	22	67.59	293	4.885	21	40.33	222	33.529	52	27.14	27	57.196	14	24.47	272
11	37.746	31	64.66	304	4.906	59	38.11	227	33.581	87	27.41	22	57.182	33	21.75	283
21	37.777	86	61.62	303	4.965	98	35.84	222	33.668	121	27.63	13	57.215	80	18.92	283
31	37.863	138	58.59	290	5.063	133	33.62	209	33.789	153	27.76	2	57.295	126	16.09	271
Febr. 10	38.001	188	55.69	266	5.196	169	31.53	185	33.942	181	27.78	11	57.421	170	13.38	248
20	38.189	235	53.03	231	5.365	200	29.68	154	34.123	207	27.67	28	57.591	212	10.90	214
März 2	38.424	277	50.72	186	5.565	229	28.14	115	34.330	232	27.39	44	57.803	249	8.76	172
12	38.701	314	48.86	133	5.794	255	26.99	71	34.562	253	26.95	64	58.052	283	7.04	123
22	39.015	343	47.53	76	6.049	277	26.28	24	34.815	273	26.31	82	58.335	311	5.81	67
Apr. 1	39.358	364	46.77	15	6.326	295	26.04	26	35.088	288	25.49	99	58.646	332	5.14	11
11	39.722	377	46.62	45	6.621	306	26.30	74	35.376	300	24.50	114	58.978	347	5.03	48
21	40.099	381	47.07	105	6.927	312	27.04	120	35.676	307	23.36	127	59.325	353	5.51	103
Mai 1	40.480	376	48.12	159	7.239	312	28.24	162	35.983	309	22.09	135	59.678	350	6.54	156
11	40.856	361	49.71	209	7.551	303	29.86	199	36.292	305	20.74	139	60.028	341	8.10	203
21	41.217	337	51.80	252	7.854	289	31.85	229	36.597	294	19.35	140	60.369	321	10.13	243
31	41.554	304	54.32	286	8.143	267	34.14	253	36.891	276	17.95	135	60.690	294	12.56	276
Juni 10	41.858	263	57.18	314	8.410	239	36.67	268	37.167	251	16.60	127	60.984	259	15.32	302
20	42.121	216	60.32	332	8.649	203	39.35	278	37.418	221	15.33	115	61.243	218	18.34	318
30	42.337	163	63.64	342	8.852	164	42.13	279	37.639	184	14.18	102	61.461	172	21.52	327
Juli 10	42.500	107	67.06	344	9.016	120	44.92	274	37.823	143	13.16	85	61.633	120	24.79	329
20	42.607	48	70.50	337	9.136	73	47.66	264	37.966	99	12.31	69	61.753	67	28.08	322
29	25 42.655	11	73.87	324	26 9.209	26	50.30	248	26 38.065	53	11.62	51	27 61.820	12	31.30	308
Aug. 8	42.644	68	77.11	303	9.235	20	52.78	226	38.118	6	11.11	34	61.832	40	34.38	288
18	42.576	123	80.14	276	9.215	64	55.04	202	38.124	37	10.77	19	61.792	90	37.26	263
28	42.453	171	82.90	245	9.151	104	57.06	172	38.087	78	10.58	5	61.702	136	39.89	232
Sept. 7	42.282	212	85.35	207	9.047	138	58.78	142	38.009	111	10.53	7	61.566	175	42.21	197
17	42.070	245	87.42	166	8.909	165	60.20	108	37.898	139	10.60	15	61.391	207	44.18	158
27	41.825	269	89.08	121	8.744	184	61.28	73	37.759	158	10.75	23	61.184	229	45.76	116
Okt. 7	41.556	282	90.29	74	8.560	193	62.01	36	37.601	166	10.98	28	60.955	242	46.92	71
17	41.274	286	91.03	23	8.367	193	62.37	1	37.435	166	11.26	32	60.713	246	47.63	23
27	40.988	277	91.26	27	8.174	185	62.36	39	37.269	156	11.58	33	60.467	239	47.86	23
Nov. 6	40.711	259	90.99	79	7.989	168	61.97	76	37.113	138	11.91	35	60.228	223	47.63	72
16	40.452	233	90.20	129	7.821	145	61.21	112	36.975	113	12.26	35	60.005	199	46.91	119
26	40.219	197	88.91	176	7.676	115	60.09	145	36.862	82	12.61	35	59.806	169	45.72	162
Dez. 6	40.022	155	87.15	218	7.561	82	58.64	175	36.780	47	12.96	35	59.637	131	44.10	203
16	39.867	109	84.97	255	7.479	44	56.89	199	36.733	11	13.31	34	59.506	90	42.07	236
26	39.758	57	82.42	282	7.435	7	54.90	217	36.722	26	13.65	32	59.416	45	39.71	263
36	39.701		79.60		7.428		52.73		36.748		13.97		59.371		37.08	
Mittl. Ort	38.864		57.76		5.323		33.19		33.643		28.99		57.997		14.80	
sec δ, tg δ	1.454		+1.056		1.099		+0.455		1.025		−0.226		1.306		+0.841	
a, *a′*	+1.9		+10.9		+2.6		+11.1		+3.3		+11.1		+2.2		+11.5	
b, *b′*	+0.04		+ 0.84		+0.02		+ 0.83		−0.01		+ 0.83		+0.03		+ 0.82	

Tag	764) α Pavonis AR.		764) α Pavonis Dekl.		767) ϑ Cephei AR.		767) ϑ Cephei Dekl.	
1937	20h 20m		−56° 55′		20h 28m		+62° 46′	
Jan. 1	39.901s	42	82.05″	230	29.50s	13	67.87″	303
11	39.943	109	79.75	243	29.37	5	64.84	322
21	40.052	174	77.32	249	29.32	4	61.62	330
31	40.226	234	74.83	250	29.36	12	58.32	324
Febr. 10	40.460	288	72.33	246	29.48	20	55.08	305
20	40.748	339	69.87	237	29.68	28	52.03	274
März 2	41.087	383	67.50	223	29.96	35	49.29	233
12	41.470	421	65.27	205	30.31	42	46.96	181
22	41.891	455	63.22	184	30.73	47	45.15	124
Apr. 1	42.346	480	61.38	160	31.20	50	43.91	62
11	42.826	498	59.78	133	31.70	52	43.29	3
21	43.324	509	58.45	101	32.22	54	43.32	66
Mai 1	43.833	511	57.44	69	32.76	53	43.98	126
11	44.344	502	56.75	34	33.29	50	45.24	184
21	44.846	483	56.41	2	33.79	47	47.08	233
31	45.329	452	56.43	37	34.26	42	49.41	277
Juni 10	45.781	411	56.80	71	34.68	36	52.18	312
20	46.192	360	57.51	104	35.04	29	55.30	338
30	46.552	298	58.55	133	35.33	22	58.68	356
Juli 10	46.850	229	59.88	158	35.55	13	62.24	366
20	[27] 47.079	155	61.46	177	[29] 35.68	5	65.90	366
29*)	47.234	77	63.23	191	35.73	3	69.56	359
Aug. 8	47.311	3	65.14	197	35.70	12	73.15	344
18	47.308	81	67.11	195	35.58	19	76.59	322
28	47.227	151	69.06	185	35.39	27	79.81	293
Sept. 7	47.076	215	70.91	168	35.12	32	82.74	258
17	46.861	266	72.59	144	34.80	38	85.32	217
27	46.595	304	74.03	112	34.42	42	87.49	172
Okt. 7	46.291	327	75.15	75	34.00	44	89.21	123
17	45.964	332	75.90	35	33.56	46	90.44	69
27	45.632	320	76.25	8	33.10	46	91.13	14
Nov. 6	45.312	295	76.17	52	32.64	44	91.27	43
16	45.017	253	75.65	93	32.20	41	90.84	101
26	44.764	201	74.72	131	31.79	37	89.83	154
Dez. 6	44.563	141	73.41	165	31.42	33	88.29	205
16	44.422	75	71.76	195	31.09	25	86.24	250
26	44.347	6	69.81	217	30.84	18	83.74	286
36	44.341		67.64		30.66		80.88	
Mittl. Ort	40.567		79.19		31.68		54.81	
sec δ, tg δ	1.833		−1.536		2.187		+1.944	
a, *a′*	+4.8		+11.5		+1.0		+12.1	
b, *b′*	−0.06		+ 0.82		+0.08		+ 0.80	

Tag	768) ε Delphini AR.		768) ε Delphini Dekl.		770) 73 Draconis AR.		770) 73 Draconis Dekl.	
1937	20h 30m		+11° 5′		20h 32m		+74° 44′	
Jan. 1	11.982s	21	22.30″	156	17.10s	33	35.01″	297
11	12.003	56	20.74	156	16.77	19	32.04	320
21	12.059	89	19.18	152	16.58	3	28.84	332
31	12.148	122	17.66	139	16.55	13	25.52	330
Febr. 10	12.270	153	16.27	119	16.68	27	22.22	316
20	12.423	182	15.08	93	16.95	42	19.06	289
März 2	12.605	209	14.15	62	17.37	56	16.17	249
12	12.814	235	13.53	27	17.93	67	13.68	202
22	13.049	256	13.26	12	18.60	75	11.66	144
Apr. 1	13.305	276	13.38	50	19.35	82	10.22	84
11	13.581	289	13.88	88	20.17	86	9.38	21
21	13.870	298	14.76	124	21.03	88	9.17	44
Mai 1	14.168	302	16.00	155	21.91	85	9.61	106
11	14.470	299	17.55	181	22.76	81	10.67	163
21	14.769	288	19.36	203	23.57	75	12.30	216
31	15.057	271	21.39	217	24.32	65	14.46	262
Juni 10	15.328	248	23.56	226	24.97	55	17.08	300
20	15.576	218	25.82	229	25.52	44	20.08	330
30	15.794	181	28.11	225	25.96	30	23.38	351
Juli 10	15.975	142	30.36	218	26.26	16	26.89	364
20	16.117	98	32.54	204	26.42	3	30.53	369
29*)	[30] 16.215	54	34.58	188	[30] 26.45	12	34.22	365
Aug. 8	16.269	9	36.46	168	26.33	25	37.87	353
18	16.278	34	38.14	145	26.08	38	41.40	335
28	16.244	74	39.59	122	25.70	50	44.75	308
Sept. 7	16.170	108	40.81	96	25.20	60	47.83	277
17	16.062	135	41.77	70	24.60	69	50.60	238
27	15.927	155	42.47	44	23.91	76	52.98	194
Okt. 7	15.772	165	42.91	18	23.15	82	54.92	145
17	15.607	169	43.09	9	22.33	84	56.37	93
27	15.438	161	43.00	35	21.49	86	57.30	37
Nov. 6	15.277	148	42.65	60	20.63	83	57.67	20
16	15.129	127	42.05	85	19.80	80	57.47	79
26	15.002	101	41.20	107	19.00	73	56.68	136
Dez. 6	14.901	71	40.13	126	18.27	65	55.32	189
16	14.830	38	38.87	141	17.62	55	53.43	238
26	14.792	3	37.46	153	17.07	42	51.05	278
36	14.789		35.93		16.65		48.27	
Mittl. Ort	12.185		16.49		21.71		20.58	
sec δ, tg δ	1.019		+0.196		3.799		+3.665	
a, *a′*	+2.9		+12.2		−0.8		+12.4	
b, *b′*	+0.01		+ 0.79		+0.15		+ 0.79	

*) Bei Stern 768) und 770) lies Juli 30.

Tag	769) α Indi AR.	Δ	769) α Indi Dekl.	Δ	771) β Delphini AR.	Δ	771) β Delphini Dekl.	Δ
1937	$20^h\ 33^m$		$-47°\ 30'$		$20^h\ 34^m$		$+14°\ 22'$	
Jan. 1	8.197	30	48.76	179	35.449	14	35.85	169
11	8.227	83	46.97	194	35.463	49	34.16	173
21	8.310	133	45.03	203	35.512	83	32.43	168
31	8.443	180	43.00	210	35.595	117	30.75	156
Febr. 10	8.623	225	40.90	210	35.712	148	29.19	136
20	8.848	265	38.80	210	35.860	178	27.83	110
März 2	9.113	303	36.70	203	36.038	207	26.73	77
12	9.416	335	34.67	195	36.245	233	25.96	40
22	9.751	364	32.72	183	36.478	256	25.56	0
Apr. 1	10.115	389	30.89	167	36.734	276	25.56	41
11	10.504	407	29.22	148	37.010	291	25.97	82
21	10.911	421	27.74	126	37.301	300	26.79	119
Mai 1	11.332	425	26.48	100	37.601	304	27.98	154
11	11.757	422	25.48	73	37.905	302	29.52	184
21	12.179	409	24.75	44	38.207	291	31.36	208
31	12.588	389	24.31	12	38.498	275	33.44	225
Juni 10	12.977	357	24.19	19	38.773	251	35.69	237
20	13.334	318	24.38	50	39.024	221	38.06	241
30	13.652	269	24.88	78	39.245	185	40.47	241
Juli 10	13.921	214	25.66	105	39.430	144	42.88	233
20	14.135	153	26.71	126	39.574	101	45.21	222
30	14.288	89	27.97	144	39.675	56	47.43	205
Aug. 8	(31) 14.377	24	29.41	154	(31) 39.731	11	49.48	186
18	14.401	40	30.95	160	39.742	33	51.34	163
28	14.361	100	32.55	157	39.709	73	52.97	139
Sept. 7	14.261	153	34.12	148	39.636	107	54.36	112
17	14.108	197	35.60	132	39.529	135	55.48	84
27	13.911	230	36.92	110	39.394	156	56.32	55
Okt. 7	13.681	249	38.02	83	39.238	168	56.87	27
17	13.432	256	38.85	50	39.070	170	57.14	3
27	13.176	249	39.35	17	38.900	166	57.11	31
Nov. 6	12.927	229	39.52	19	38.734	152	56.80	60
16	12.698	199	39.33	55	38.582	132	56.20	87
26	12.499	158	38.78	87	38.450	107	55.33	112
Dez. 6	12.341	112	37.91	117	38.343	77	54.21	135
16	12.229	61	36.74	144	38.266	45	52.86	152
26	12.168	7	35.30	165	38.221	10	51.34	166
36	12.161		33.65		38.211		49.68	
Mittl. Ort	8.546		46.11		35.673		29.32	
sec δ, tg δ	1.481		−1.092		1.032		+0.256	
a, a′	+4.2		+12.4		+2.8		+12.5	
b, b′	−0.05		+ 0.78		+0.01		+ 0.78	

Tag	773) υ Capricorni AR.	Δ	773) υ Capricorni Dekl.	Δ	774) α Delphini AR.	Δ	774) α Delphini Dekl.	Δ
1937	$20^h\ 36^m$		$-18°\ 21'$		$20^h\ 36^m$		$+15°\ 41'$	
Jan. 1	27.885	32	41.34	9	42.474	10	25.84	175
11	27.917	68	41.25	18	42.484	46	24.09	178
21	27.985	102	41.07	28	42.530	80	22.31	175
31	28.087	134	40.79	38	42.610	113	20.56	162
Febr. 10	28.221	165	40.41	52	42.723	146	18.94	143
20	28.386	193	39.89	65	42.869	177	17.51	116
März 2	28.579	220	39.24	80	43.046	205	16.35	84
12	28.799	245	38.44	94	43.251	233	15.51	45
22	29.044	267	37.50	109	43.484	255	15.06	5
Apr. 1	29.311	286	36.41	120	43.739	276	15.01	37
11	29.597	302	35.21	131	44.015	291	15.38	79
21	29.899	314	33.90	137	44.306	302	16.17	118
Mai 1	30.213	318	32.53	139	44.608	305	17.35	154
11	30.531	318	31.14	139	44.913	303	18.89	184
21	30.849	310	29.75	134	45.216	293	20.73	210
31	31.159	295	28.41	125	45.509	277	22.83	228
Juni 10	31.454	273	27.16	111	45.786	252	25.11	240
20	31.727	243	26.05	97	46.038	223	27.51	247
30	31.970	209	25.08	79	46.261	186	29.98	246
Juli 10	32.179	168	24.29	60	46.447	146	32.44	240
20	32.347	123	23.69	40	46.593	102	34.84	228
30	32.470	76	23.29	22	46.695	57	37.12	213
Aug. 8	(31) 32.546	28	23.07	4	(1) 46.752	12	39.25	193
18	32.574	18	23.03	12	46.764	32	41.18	171
28	32.556	61	23.15	24	46.732	73	42.89	145
Sept. 7	32.495	98	23.39	34	46.659	107	44.34	118
17	32.397	129	23.73	41	46.552	135	45.52	90
27	32.268	152	24.14	43	46.417	156	46.42	60
Okt. 7	32.116	165	24.57	44	46.261	169	47.02	31
17	31.951	168	25.01	42	46.092	172	47.33	1
27	31.783	162	25.43	38	45.920	167	47.34	30
Nov. 6	31.621	147	25.81	32	45.753	154	47.04	59
16	31.474	126	26.13	26	45.599	135	46.45	87
26	31.348	97	26.39	19	45.464	110	45.58	114
Dez. 6	31.251	64	26.58	13	45.354	80	44.44	137
16	31.187	30	26.71	5	45.274	48	43.07	157
26	31.157	6	26.76	3	45.226	14	41.50	170
36	31.163		26.73		45.212		39.80	
Mittl. Ort	27.950		42.36		42.706		18.99	
sec δ, tg δ	1.054		−0.332		1.039		+0.281	
a, a′	+3.4		+12.6		+2.8		+12.7	
b, b′	−0.01		+ 0.78		+0.01		+ 0.78	

Scheinbare Sternörter 1937

Tag	777) α Cygni AR.	Δ	777) α Cygni Dekl.	Δ	775) β Pavonis AR.	Δ	775) β Pavonis Dekl.	Δ	780) ε Cygni AR.	Δ	780) ε Cygni Dekl.	Δ	783) η Cephei AR.	Δ	783) η Cephei Dekl.	Δ
1937	$20^h\ 39^m$		$+45°\ 3'$		$20^h\ 39^m$		$-66°\ 25'$		$20^h\ 43^m$		$+33°\ 43'$		$20^h\ 43^m$		$+61°\ 35'$	
Jan. 1	$16^s.133$	51	$27''.41$	274	$17^s.14$	3	$58''.15$	272	$39^s.183$	24	$70''.31$	240	$58^s.78$	15	$51''.19$	288
11	16.082	1	24.67	289	17.11	7	55.43	288	39.159	17	67.91	252	58.63	7	48.31	312
21	16.081	50	21.78	294	17.18	16	52.55	298	39.176	59	65.39	254	58.56	1	45.19	322
31	16.131	101	18.84	286	17.34	25	49.57	301	39.235	100	62.85	245	58.57	9	41.97	320
Febr. 10	16.232	151	15.98	268	17.59	33	46.56	295	39.335	140	60.40	227	58.66	17	38.77	305
20	16.383	199	13.30	237	17.92	40	43.61	285	39.475	180	58.13	197	58.83	25	35.72	278
März 2	16.582	243	10.93	198	18.32	46	40.76	268	39.655	215	56.16	160	59.08	32	32.94	239
12	16.825	284	8.95	150	18.78	52	38.08	246	39.870	250	54.56	115	59.40	38	30.55	191
22	17.109	317	7.45	95	19.30	58	35.62	220	40.120	279	53.41	66	59.78	43	28.64	136
Apr. 1	17.426	346	6.50	38	19.88	61	33.42	190	40.399	303	52.75	12	60.21	48	27.28	75
11	17.772	364	6.12	21	20.49	64	31.52	155	40.702	321	52.63	41	60.69	50	26.53	12
21	18.136	376	6.33	80	21.13	66	29.97	117	41.023	334	53.04	93	61.19	52	26.41	52
Mai 1	18.512	377	7.13	136	21.79	67	28.80	78	41.357	337	53.97	144	61.71	52	26.93	112
11	18.889	369	8.49	186	22.46	66	28.02	37	41.694	332	55.41	187	62.23	50	28.05	170
21	19.258	351	10.35	232	23.12	64	27.65	7	42.026	321	57.28	226	62.73	47	29.75	222
31	19.609	325	12.67	269	23.76	60	27.72	48	42.347	300	59.54	259	63.20	43	31.97	267
Juni 10	19.934	290	15.36	299	24.36	56	28.20	88	42.647	272	62.13	283	63.63	38	34.64	304
20	20.224	247	18.35	322	24.92	48	29.08	128	42.919	237	64.96	300	64.01	31	37.68	333
30	20.471	199	21.57	335	25.40	42	30.36	161	43.156	195	67.96	309	64.32	24	41.01	354
Juli 10	20.670	145	24.92	341	25.82	32	31.97	190	43.351	150	71.05	311	64.56	17	44.55	366
20	20.815	89	28.33	338	26.14	22	33.87	214	43.501	101	74.16	306	64.73	8	48.21	369
30	20.904	31	31.71	330	26.36	12	36.01	229	43.602	51	77.22	295	64.81	1	51.90	365
Aug. 8	[1] 20.935	26	35.01	312	[1] 26.48	2	38.30	236	[2] 43.653	1	80.17	276	[2] 64.82	8	55.55	353
18	20.909	81	38.13	290	26.50	9	40.66	236	43.654	49	82.93	254	64.74	15	59.08	332
28	20.828	131	41.03	261	26.41	19	43.02	225	43.605	92	85.47	227	64.59	22	62.40	307
Sept. 7	20.697	175	43.64	228	26.22	28	45.27	206	43.513	132	87.74	194	64.37	29	65.47	274
17	20.522	211	45.92	189	25.94	36	47.33	178	43.381	164	89.68	159	64.08	33	68.21	235
27	20.311	239	47.81	147	25.58	41	49.11	142	43.217	188	91.27	121	63.75	38	70.56	191
Okt. 7	20.072	257	49.28	101	25.17	45	50.53	99	43.029	204	92.48	80	63.37	41	72.47	143
17	19.815	265	50.29	53	24.72	47	51.52	52	42.825	211	93.28	37	62.96	43	73.90	91
27	19.550	263	50.82	4	24.25	47	52.04	2	42.614	208	93.65	5	62.53	43	74.81	36
Nov. 6	19.287	252	50.86	48	23.78	44	52.06	49	42.406	197	93.60	50	62.10	42	75.17	20
16	19.035	232	50.38	97	23.34	40	51.57	100	42.209	180	93.10	93	61.68	40	74.97	78
26	18.803	204	49.41	146	22.94	34	50.57	147	42.029	154	92.17	135	61.28	36	74.19	133
Dez. 6	18.599	168	47.95	190	22.60	26	49.10	189	41.875	123	90.82	171	60.92	32	72.86	185
16	18.431	128	46.05	229	22.34	17	47.21	226	41.752	89	89.11	204	60.60	26	71.01	232
26	18.303	83	43.76	260	22.17	9	44.95	255	41.663	51	87.07	231	60.34	19	68.69	270
36	18.220		41.16		22.08		42.40		41.612		84.76		60.15		65.99	
Mittl. Ort	17.016		15.61		18.32		53.87		39.693		59.99		60.68		36.89	
sec δ, tg δ	1.416		+1.002		2.501		−2.292		1.202		+0.668		2.102		+1.849	
a, *a'*	+2.0		+12.8		+5.4		+12.8		+2.4		+13.1		+1.2		+13.1	
b, *b'*	+0.04		+ 0.77		−0.10		+ 0.77		+0.03		+ 0.76		+0.08		+ 0.75	

Tag	781) ε Aquarii AR.		781) ε Aquarii Dekl.		784) λ Cygni AR.		784) λ Cygni Dekl.		785) β Indi AR.		785) β Indi Dekl.		786) 32 Vulpeculae AR.		786) 32 Vulpeculae Dekl.	
1937	20h 44m		−9° 43′		20h 44m		+36° 15′		20h 49m		−58° 41′		20h 51m		+27° 48′	
Jan. 1	15.972	23	36.67	40	56.648	31	41.07	248	53.268	16	40.71	233	52.106	21	71.20	217
11	15.995	56	37.07	34	56.617	10	38.59	261	53.252	51	38.38	252	52.085	17	69.03	228
21	16.051	88	37.41	25	56.627	54	35.98	264	53.303	119	35.86	265	52.102	55	66.75	228
31	16.139	119	37.66	13	56.681	97	33.34	256	53.422	183	33.21	270	52.157	92	64.47	220
Febr. 10	16.258	150	37.79	3	56.778	139	30.78	237	53.605	244	30.51	272	52.249	130	62.27	202
20	16.408	177	37.76	20	56.917	179	28.41	209	53.849	300	27.79	267	52.379	166	60.25	175
März 2	16.585	205	37.56	40	57.096	218	26.32	171	54.149	351	25.12	256	52.545	200	58.50	140
12	16.790	230	37.16	62	57.314	253	24.61	125	54.500	397	22.56	241	52.745	232	57.10	98
22	17.020	252	36.54	83	57.567	284	23.36	75	54.897	439	20.15	222	52.977	261	56.12	52
Apr. 1	17.272	273	35.71	103	57.851	309	22.61	21	55.336	473	17.93	197	53.238	286	55.60	2
11	17.545	289	34.68	122	58.160	327	22.40	34	55.809	500	15.96	171	53.524	304	55.58	47
21	17.834	301	33.46	137	58.487	340	22.74	88	56.309	519	14.25	138	53.828	317	56.05	96
Mai 1	18.135	308	32.09	150	58.827	344	23.62	139	56.828	529	12.87	105	54.145	324	57.01	142
11	18.443	308	30.59	156	59.171	339	25.01	186	57.357	527	11.82	67	54.469	321	58.43	183
21	18.751	301	29.03	160	59.510	327	26.87	225	57.884	516	11.15	30	54.790	313	60.26	217
31	19.052	288	27.43	157	59.837	305	29.12	260	58.400	492	10.85	10	55.103	295	62.43	247
Juni 10	19.340	267	25.86	152	60.142	276	31.72	286	58.892	455	10.95	48	55.398	270	64.90	268
20	19.607	239	24.34	141	60.418	240	34.58	304	59.347	408	11.43	86	55.668	239	67.58	283
30	19.846	206	22.93	127	60.658	198	37.62	315	59.755	349	12.29	120	55.907	201	70.41	289
Juli 10	20.052	167	21.66	111	60.856	151	40.77	318	60.104	282	13.49	150	56.108	158	73.30	291
20	20.219	124	20.55	93	61.007	101	43.95	314	60.386	207	14.99	177	56.266	112	76.21	284
30	20.343	79	19.62	74	61.108	49	47.09	303	60.593	126	16.76	195	56.378	64	79.05	272
Aug. 8	[2] 20.422	33	18.88	55	[3] 61.157	3	50.12	285	[4] 60.719	43	18.71	207	[4] 56.442	16	81.77	254
18	20.455	11	18.33	37	61.154	52	52.97	264	60.762	40	20.78	211	56.458	30	84.31	232
28	20.444	53	17.96	20	61.102	98	55.61	235	60.722	117	22.89	207	56.428	74	86.63	206
Sept. 7	20.391	90	17.76	4	61.004	138	57.96	204	60.605	189	24.96	194	56.354	112	88.69	176
17	20.301	119	17.72	9	60.866	171	60.00	167	60.416	250	26.90	173	56.242	144	90.45	142
27	20.182	142	17.81	19	60.695	196	61.67	128	60.166	297	28.63	144	56.098	167	91.87	108
Okt. 7	20.040	155	18.00	29	60.499	213	62.95	87	59.869	330	30.07	109	55.931	184	92.95	71
17	19.885	160	18.29	35	60.286	220	63.82	42	59.539	346	31.16	68	55.747	191	93.66	32
27	19.725	155	18.64	40	60.066	218	64.24	2	59.193	345	31.84	24	55.556	189	93.98	8
Nov. 6	19.570	142	19.04	43	59.848	208	64.22	48	58.848	328	32.08	22	55.367	180	93.90	47
16	19.428	122	19.47	46	59.640	190	63.74	93	58.520	295	31.86	68	55.187	163	93.43	86
26	19.306	97	19.93	48	59.450	164	62.81	136	58.225	250	31.18	110	55.024	140	92.57	122
Dez. 6	19.209	68	20.41	48	59.286	134	61.45	175	57.975	194	30.08	151	54.884	112	91.35	157
16	19.141	35	20.89	48	59.152	99	59.70	209	57.781	132	28.57	186	54.772	81	89.78	185
26	19.106	2	21.37	45	59.053	59	57.61	237	57.649	64	26.71	216	54.691	46	87.93	208
36	19.104		21.82		58.994		55.24		57.585		24.55		54.645		85.85	
Mittl. Ort	16.018		39.14		57.215		30.25		53.928		36.39		52.455		61.45	
sec δ, tg δ	1.015		−0.171		1.240		+0.733		1.925		−1.644		1.131		+0.528	
a, *a′*	+3.2		+13.2		+2.3		+13.2		+4.7		+13.5		+2.6		+13.7	
b, *b′*	−0.01		+ 0.75		+0.03		+ 0.75		−0.07		+ 0.74		+0.02		+ 0.73	

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Tag	788) ν Cygni AR.		788) ν Cygni Dekl.		790) ζ Microscopii AR.		790) ζ Microscopii Dekl.		793) 61 Cygni pr.[1]) AR.		793) 61 Cygni pr.[1]) Dekl.		794) ν Aquarii AR.		794) ν Aquarii Dekl.	
1937	$20^h\,54^m$		$+40°\,55'$		$20^h\,58^m$		$-38°\,52'$		$21^h\,4^m$		$+38°\,26'$		$21^h\,6^m$		$-11°\,37'$	
Jan. 1	48.761	54	37.52	254	56.587	3	46.72	126	3.717	43	31.47	234	9.898	3	38.06	28
11	48.707	10	34.98	271	56.590	46	45.46	144	3.674	1	29.13	251	9.901	35	38.34	19
21	48.697	36	32.27	277	56.636	88	44.02	158	3.673	42	26.62	256	9.936	67	38.53	9
31	48.733	83	29.50	272	56.724	128	42.44	170	3.715	87	24.06	253	10.003	99	38.62	5
Febr. 10	48.816	129	26.78	256	56.852	166	40.74	178	3.802	131	21.53	236	10.102	128	38.57	19
20	48.945	174	24.22	229	57.018	204	38.96	184	3.933	173	19.17	210	10.230	158	38.38	37
März 2	49.119	216	21.93	192	57.222	238	37.12	188	4.106	216	17.07	175	10.388	187	38.01	56
12	49.335	256	20.01	146	57.460	270	35.24	188	4.322	253	15.32	131	10.575	215	37.45	77
22	49.591	291	18.55	96	57.730	299	33.36	185	4.575	289	14.01	81	10.790	239	36.68	96
Apr. 1	49.882	319	17.59	41	58.029	326	31.51	179	4.864	317	13.20	28	11.029	264	35.72	116
11	50.201	342	17.18	16	58.355	348	29.72	170	5.181	340	12.92	27	11.293	283	34.56	133
21	50.543	356	17.34	73	58.703	364	28.02	155	5.521	355	13.19	82	11.576	298	33.23	146
Mai 1	50.899	361	18.07	126	59.067	374	26.47	139	5.876	363	14.01	135	11.874	308	31.77	157
11	51.260	358	19.33	176	59.441	378	25.08	118	6.239	361	15.36	183	12.182	313	30.20	162
21	51.618	346	21.09	220	59.819	372	23.90	95	6.600	350	17.19	226	12.495	309	28.58	164
31	51.964	324	23.29	257	60.191	359	22.95	68	6.950	331	19.45	262	12.804	299	26.94	160
Juni 10	52.288	294	25.86	287	60.550	336	22.27	39	7.281	304	22.07	292	13.103	281	25.34	152
20	52.582	258	28.73	309	60.886	305	21.88	11	7.585	268	24.99	313	13.384	257	23.82	141
30	52.840	212	31.82	324	61.191	266	21.77	18	7.853	227	28.12	326	13.641	224	22.41	125
Juli 10	53.052	164	35.06	330	61.457	220	21.95	46	8.080	179	31.38	333	13.865	187	21.16	107
20	53.216	112	38.36	329	61.677	169	22.41	72	8.259	130	34.71	331	14.052	146	20.09	88
30	53.328	57	41.65	321	61.846	113	23.13	93	8.389	76	38.02	323	14.198	100	19.21	67
Aug. 8	[5]53.385	3	44.86	305	[6]61.959	55	24.06	111	[7]8.465	24	41.25	307	[8]14.298	56	18.54	47
18	53.388	50	47.91	285	62.014	1	25.17	124	8.489	27	44.32	287	14.354	9	18.07	28
28	53.338	98	50.76	258	62.013	55	26.41	130	8.462	75	47.19	260	14.363	34	17.79	9
Sept. 7	53.240	142	53.34	226	61.958	104	27.71	130	8.387	118	49.79	229	14.329	72	17.70	6
17	53.098	177	55.60	190	61.854	145	29.01	125	8.269	153	52.08	195	14.257	105	17.76	19
27	52.921	206	57.50	150	61.709	178	30.26	112	8.116	181	54.03	155	14.152	129	17.95	30
Okt. 7	52.715	226	59.00	108	61.531	199	31.38	94	7.935	201	55.58	114	14.023	147	18.25	37
17	52.489	235	60.08	61	61.332	209	32.32	73	7.734	211	56.72	70	13.876	154	18.62	42
27	52.254	237	60.69	15	61.123	209	33.05	47	7.523	213	57.42	25	13.722	154	19.04	45
Nov. 6	52.017	228	60.84	34	60.914	197	33.52	19	7.310	205	57.67	23	13.568	145	19.49	47
16	51.789	212	60.50	82	60.717	175	33.71	9	7.105	191	57.44	68	13.423	129	19.96	46
26	51.577	188	59.68	129	60.542	145	33.62	38	6.914	169	56.76	113	13.294	107	20.42	45
Dez. 6	51.389	159	58.39	171	60.397	110	33.24	65	6.745	141	55.63	155	13.187	80	20.87	42
16	51.230	122	56.68	210	60.287	70	32.59	90	6.604	107	54.08	191	13.107	51	21.29	38
26	51.108	83	54.58	240	60.217	28	31.69	112	6.497	70	52.17	222	13.056	20	21.67	33
36	51.025		52.18		60.189		30.57		6.427		49.95		13.036		22.00	
Mittl. Ort	49.408		25.28		56.722		44.24		4.250		19.30		9.875		40.26	
sec δ, tg δ	1.323		+0.867		1.285		+0.806		1.277		+0.794		1.021		−0.206	
a, *a′*	+2.2		+13.8		+3.8		+14.1		+2.3		+14.4		+3.3		+14.5	
b, *b′*	+0.04		+ 0.72		−0.04		+ 0.71		+0.04		+ 0.69		−0.01		+ 0.69	

[1]) Die jährliche Parallaxe (0.″300) ist bereits berücksichtigt.

Tag	795) Br 2777 AR.		795) Br 2777 Dekl.		797) ζ Cygni AR.		797) ζ Cygni Dekl.	
1937	$21^h\ 6^m$		+77° 52′		$21^h\ 10^m$		+29° 57′	
Jan. 1	42.43	57	34.71	264	14.927	41	74.39	214
11	41.86	40	32.07	297	14.886	5	72.25	228
21	41.46	21	29.10	319	14.881	33	69.97	232
31	41.25	2	25.91	328	14.914	71	67.65	227
Febr. 10	41.23	18	22.63	324	14.985	110	65.38	212
20	41.41	38	19.39	306	15.095	148	63.26	188
März 2	41.79	55	16.33	277	15.243	185	61.38	154
12	42.34	71	13.56	236	15.428	220	59.84	114
22	43.05	85	11.20	187	15.648	252	58.70	68
Apr. 1	43.90	95	9.33	130	15.900	280	58.02	20
11	44.85	103	8.03	70	16.180	303	57.82	31
21	45.88	107	7.33	7	16.483	319	58.13	81
Mai 1	46.95	108	7.26	56	16.802	329	58.94	128
11	48.03	105	7.82	116	17.131	330	60.22	171
21	49.08	99	8.98	173	17.461	324	61.93	209
31	50.07	89	10.71	223	17.785	309	64.02	240
Juni 10	50.96	79	12.94	267	18.094	286	66.42	266
20	51.75	65	15.61	305	18.380	256	69.08	283
30	52.40	50	18.66	333	18.636	220	71.91	294
Juli 10	52.90	34	21.99	354	18.856	177	74.85	297
20	53.24	17	25.53	368	19.033	132	77.82	293
30	53.41	0	29.21	372	19.165	84	80.75	284
Aug. 8*)	[8]53.41	16	32.93	368	[9]19.249	34	83.59	269
18	53.25	34	36.61	358	19.283	13	86.28	247
28	52.91	48	40.19	339	19.270	57	88.75	224
Sept. 7	52.43	63	43.58	313	19.213	98	90.99	193
17	51.80	76	46.71	282	19.115	132	92.92	162
27	51.04	86	49.53	242	18.983	159	94.54	127
Okt. 7	50.18	95	51.95	199	18.824	178	95.81	89
17	49.23	101	53.94	149	18.646	188	96.70	51
27	48.22	105	55.43	95	18.458	190	97.21	10
Nov. 6	47.17	105	56.38	38	18.268	185	97.31	31
16	46.12	103	56.76	22	18.083	171	97.00	71
26	45.09	99	56.54	81	17.912	152	96.29	110
Dez. 6	44.10	91	55.73	139	17.760	127	95.19	146
16	43.19	80	54.34	193	17.633	98	93.73	177
26	42.39	67	52.41	240	17.535	66	91.96	204
36	41.72		50.01		17.469		89.92	
Mittl. Ort	47.70		16.92		15.226		63.26	
sec δ, tg δ	4.759		+4.653		1.155		+0.577	
a, *a′*	−1.2		+14.6		+2.6		+14.8	
b, *b′*	+0.23		+ 0.69		+0.03		+ 0.67	

Tag	800) α Equulei AR.		800) α Equulei Dekl.		803) α Cephei AR.		803) α Cephei Dekl.	
1937	$21^h\ 12^m$		+4° 59′		$21^h\ 17^m$		+62° 18′	
Jan. 1	40.499	10	16.59	112	3.00	20	82.41	263
11	40.489	21	15.47	113	2.80	14	79.78	294
21	40.510	51	14.34	107	2.66	6	76.84	313
31	40.561	83	13.27	97	2.60	3	73.71	320
Febr. 10	40.644	113	12.30	80	2.63	10	70.51	313
20	40.757	144	11.50	58	2.73	19	67.38	294
März 2	40.901	174	10.92	32	2.92	27	64.44	263
12	41.075	202	10.60	2	3.19	34	61.81	221
22	41.277	229	10.58	31	3.53	40	59.60	171
Apr. 1	41.506	254	10.89	63	3.93	46	57.89	114
11	41.760	274	11.52	95	4.39	50	56.75	54
21	42.034	291	12.47	125	4.89	52	56.21	8
Mai 1	42.325	301	13.72	151	5.41	54	56.29	70
11	42.626	304	15.23	174	5.95	53	56.99	130
21	42.930	303	16.97	191	6.48	51	58.29	184
31	43.233	292	18.88	202	6.99	48	60.13	234
Juni 10	43.525	274	20.90	208	7.47	43	62.47	276
20	43.799	250	22.98	209	7.90	38	65.23	311
30	44.049	218	25.07	204	8.28	31	68.34	338
Juli 10	44.267	182	27.11	194	8.59	23	71.72	356
20	44.449	142	29.05	181	8.82	16	75.28	367
30	44.591	98	30.86	163	8.98	8	78.95	369
Aug. 8*)	44.689	53	32.49	145	9.06	1	82.64	363
18	[10]44.742	10	33.94	123	[11]9.05	9	86.27	350
28	44.752	32	35.17	100	8.96	16	89.77	329
Sept. 7	44.720	69	36.17	78	8.80	23	93.06	303
17	44.651	101	36.95	55	8.57	29	96.09	268
27	44.550	125	37.50	34	8.28	34	98.77	228
Okt. 7	44.425	142	37.84	12	7.94	38	101.05	184
17	44.283	151	37.96	9	7.56	41	102.89	134
27	44.132	151	37.87	29	7.15	42	104.23	81
Nov. 6	43.981	145	37.58	47	6.73	42	105.04	25
16	43.836	130	37.11	64	6.31	41	105.29	34
26	43.706	112	36.47	80	5.90	39	104.95	90
Dez. 6	43.594	88	35.67	94	5.51	36	104.05	146
16	43.506	61	34.73	104	5.15	31	102.59	197
26	43.445	31	33.69	112	4.84	24	100.62	241
36	43.414		32.57		4.60		98.21	
Mittl. Ort	40.506		10.75		4.63		65.34	
sec δ, tg δ	1.004		+0.087		2.153		+1.906	
a, *a′*	+3.0		+14.9		+1.4		+15.2	
b, *b′*	0.00		+ 0.67		+0.10		+ 0.65	

*) Bei Stern 797), 800) und 803) lies Aug. 9.

Scheinbare Sternörter 1937

Tag	804) ι Pegasi AR.		804) ι Pegasi Dekl.		805) γ Pavonis AR.		805) γ Pavonis Dekl.	
1937	$21^h\ 19^m$		$+19°\ 31'$		$21^h\ 21^m$		$-65°\ 38'$	
Jan. 1	10.231	31	71.56	172	14.54	12	76.76	254
11	10.200	2	69.84	181	14.42	3	74.22	280
21	10.202	34	68.03	183	14.39	5	71.42	300
31	10.236	68	66.20	175	14.44	13	68.42	311
Febr. 10	10.304	102	64.45	160	14.57	21	65.31	316
20	10.406	137	62.85	137	14.78	28	62.15	314
März 2	10.543	170	61.48	107	15.06	36	59.01	305
12	10.713	201	60.41	71	15.42	43	55.96	290
22	10.914	233	59.70	31	15.85	48	53.06	270
Apr. 1	11.147	259	59.39	12	16.33	53	50.36	243
11	11.406	281	59.51	55	16.86	58	47.93	214
21	11.687	300	60.06	97	17.44	61	45.79	178
Mai 1	11.987	310	61.03	136	18.05	63	44.01	139
11	12.297	315	62.39	172	18.68	64	42.62	98
21	12.612	311	64.11	202	19.32	63	41.64	54
31	12.923	300	66.13	226	19.95	62	41.10	9
Juni 10	13.223	282	68.39	245	20.57	58	41.01	36
20	13.505	256	70.84	255	21.15	53	41.37	79
30	13.761	223	73.39	261	21.68	47	42.16	120
Juli 10	13.984	184	76.00	259	22.15	39	43.36	158
20	14.168	144	78.59	252	22.54	30	44.94	189
30	14.312	98	81.11	240	22.84	21	46.83	214
Aug. 9	[11] 14.410	52	83.51	222	[12] 23.05	10	48.97	232
18	14.462	7	85.73	202	23.15	1	51.29	241
28	14.469	36	87.75	178	23.16	10	53.70	240
Sept. 7	14.433	74	89.53	152	23.06	19	56.10	231
17	14.359	107	91.05	123	22.87	28	58.41	211
27	14.252	133	92.28	93	22.59	34	60.52	183
Okt. 7	14.119	152	93.21	62	22.25	41	62.35	146
17	13.967	162	93.83	30	21.84	43	63.81	103
27	13.805	165	94.13	3	21.41	45	64.84	55
Nov. 6	13.640	159	94.10	35	20.96	45	65.39	3
16	13.481	148	93.75	66	20.51	42	65.42	49
26	13.333	130	93.09	96	20.09	38	64.93	101
Dez. 6	13.203	108	92.13	123	19.71	31	63.92	150
16	13.095	82	90.90	147	19.40	25	62.42	193
26	13.013	52	89.43	165	19.15	18	60.49	231
36	12.961		87.78		18.97		58.18	
Mittl. Ort	10.334		62.27		15.47		70.46	
sec δ, tg δ	1.061		+0.355		2.426		−2.210	
a, *a'*	+2.8		+15.3		+5.0		+15.4	
b, *b'*	+0.02		+ 0.65		−0.11		+ 0.64	

Tag	806) ζ Capricorni AR.		806) ζ Capricorni Dekl.		809) β Cephei AR.		809) β Cephei Dekl.	
1937	$21^h\ 23^m$		$-22°\ 40'$		$21^h\ 27^m$		$+70°\ 16'$	
Jan. 1	4.492	13	67.41	33	48.82	35	80.82	252
11	4.479	20	67.08	47	48.47	26	78.30	287
21	4.499	53	66.61	63	48.21	15	75.43	312
31	4.552	86	65.98	77	48.06	3	72.31	323
Febr. 10	4.638	118	65.21	91	48.03	8	69.08	323
20	4.756	150	64.30	107	48.11	20	65.85	309
März 2	4.906	181	63.23	121	48.31	32	62.76	282
12	5.087	211	62.02	134	48.63	42	59.94	244
22	5.298	240	60.68	147	49.05	52	57.50	197
Apr. 1	5.538	266	59.21	156	49.57	59	55.53	143
11	5.804	289	57.65	163	50.16	65	54.10	83
21	6.093	309	56.02	167	50.81	68	53.27	21
Mai 1	6.402	321	54.35	165	51.49	71	53.06	42
11	6.723	329	52.70	161	52.20	70	53.48	103
21	7.052	328	51.09	151	52.90	68	54.51	161
31	7.380	321	49.58	138	53.58	63	56.12	212
Juni 10	7.701	305	48.20	120	54.21	57	58.24	258
20	8.006	282	47.00	100	54.78	50	60.82	298
30	8.288	250	46.00	78	55.28	41	63.80	329
Juli 10	8.538	213	45.22	54	55.69	31	67.09	352
20	8.751	171	44.68	29	56.00	21	70.61	367
30	8.922	124	44.39	6	56.21	10	74.28	375
Aug. 9	[12] 9.046	76	44.33	16	[13] 56.31	1	78.03	373
18	9.122	27	44.49	36	56.30	12	81.76	364
28	9.149	20	44.85	51	56.18	21	85.40	347
Sept. 7	9.129	61	45.36	64	55.97	32	88.87	324
17	9.068	99	46.00	71	55.65	39	92.11	293
27	8.969	128	46.71	75	55.26	47	95.04	256
Okt. 7	8.841	149	47.46	73	54.79	52	97.60	213
17	8.692	161	48.19	69	54.27	57	99.73	165
27	8.531	164	48.88	59	53.70	60	101.38	111
Nov. 6	8.367	157	49.47	49	53.10	61	102.49	55
16	8.210	143	49.96	36	52.49	61	103.04	4
26	8.067	123	50.32	22	51.88	58	103.00	64
Dez. 6	7.944	97	50.54	8	51.30	54	102.36	122
16	7.847	69	50.62	8	50.76	48	101.14	178
26	7.778	36	50.54	22	50.28	41	99.36	227
36	7.742		50.32		49.87		97.09	
Mittl. Ort	4.429		67.27		51.32		61.99	
sec δ, tg δ	1.084		−0.418		2.964		+2.790	
a, *a'*	+3.4		+15.5		+0.8		+15.8	
b, *b'*	−0.02		+ 0.63		+0.15		+ 0.62	

808) β Aquarii

Tag	AR.		Dekl.	
1937	21^h 28^m		−5° 50′	
Jan. 1	14.712	17	53.89	56
11	14.695	12	54.45	50
21	14.707	42	54.95	40
31	14.749	72	55.35	28
Febr. 10	14.821	103	55.63	11
20	14.924	133	55.74	8
März 2	15.057	162	55.66	29
12	15.219	192	55.37	54
22	15.411	220	54.83	78
Apr. 1	15.631	246	54.05	101
11	15.877	269	53.04	125
21	16.146	288	51.79	144
Mai 1	16.434	301	50.35	161
11	16.735	308	48.74	172
21	17.043	308	47.02	180
31	17.351	302	45.22	182
Juni 10	17.653	286	43.40	179
20	17.939	265	41.61	171
30	18.204	235	39.90	159
Juli 10	18.439	201	38.31	144
20	18.640	161	36.87	126
30	18.801	118	35.61	105
Aug. 9	14 18.919	73	34.56	85
18	18.992	29	33.71	63
28	19.021	14	33.08	43
Sept. 7	19.007	53	32.65	23
17	18.954	87	32.42	6
27	18.867	113	32.36	10
Okt. 7	18.754	133	32.46	23
17	18.621	144	32.69	34
27	18.477	147	33.03	42
Nov. 6	18.330	142	33.45	50
16	18.188	130	33.95	56
26	18.058	113	34.51	59
Dez. 6	17.945	91	35.10	61
16	17.854	66	35.71	61
26	17.788	38	36.32	61
36	17.750		36.93	
Mittl. Ort	14.619		57.46	
sec δ, tg δ	1.005		−0.102	
a, a'	+3.2		+15.8	
b, b'	−0.01		+ 0.61	

811) 74 Cygni

Tag	AR.		Dekl.	
1937	21^h 34^m		+40° 7′	
Jan. 1	24.947	90	61.50	224
11	24.857	51	59.26	247
21	24.806	9	56.79	260
31	24.797	34	54.19	261
Febr. 10	24.831	79	51.58	253
20	24.910	126	49.05	233
März 2	25.036	171	46.72	204
12	25.207	215	44.68	165
22	25.422	256	43.03	119
Apr. 1	25.678	291	41.84	68
11	25.969	322	41.16	15
21	26.291	344	41.01	40
Mai 1	26.635	359	41.41	93
11	26.994	365	42.34	144
21	27.359	360	43.78	190
31	27.719	347	45.68	230
Juni 10	28.066	325	47.98	265
20	28.391	294	50.63	290
30	28.685	255	53.53	310
Juli 10	28.940	211	56.63	322
20	29.151	162	59.85	325
30	29.313	109	63.10	322
Aug. 9	15 29.422	57	66.32	313
18	29.479	4	69.45	297
28	29.483	47	72.42	275
Sept. 7	29.436	91	75.17	247
17	29.345	133	77.64	216
27	29.212	165	79.80	180
Okt. 7	29.047	191	81.60	141
17	28.856	208	83.01	97
27	28.648	216	83.98	53
Nov. 6	28.432	217	84.51	6
16	28.215	209	84.57	42
26	28.006	195	84.15	88
Dez. 6	27.811	173	83.27	132
16	27.638	147	81.95	173
26	27.491	114	80.22	208
36	27.377		78.14	
Mittl. Ort	25.317		47.01	
sec δ, tg δ	1.308		+0.843	
a, a'	+2.4		+16.1	
b, b'	+0.05		+ 0.59	

810) ν Octantis

Tag	AR.		Dekl.	
1937	21^h 34^m		−77° 39′	
Jan. 1	30.03	38	85.93	289
11	29.65	22	83.04	319
21	29.43	5	79.85	340
31	29.38	11	76.45	352
Febr. 10	29.49	28	72.93	356
20	29.77	43	69.37	352
März 2	30.20	58	65.85	339
12	30.78	71	62.46	321
22	31.49	83	59.25	294
Apr. 1	32.32	93	56.31	263
11	33.25	102	53.68	225
21	34.27	108	51.43	185
Mai 1	35.35	112	49.58	139
11	36.47	115	48.19	91
21	37.62	114	47.28	42
31	38.76	111	46.86	10
Juni 10	39.87	105	46.96	59
20	40.92	96	47.55	108
30	41.88	85	48.63	152
Juli 10	42.73	71	50.15	193
20	43.44	56	52.08	227
30	44.00	38	54.35	254
Aug. 9	15 44.38	19	56.89	272
18	44.57	1	59.61	280
28	44.58	19	62.41	279
Sept. 7	44.39	37	65.20	266
17	44.02	54	67.86	243
27	43.48	68	70.29	210
Okt. 7	42.80	80	72.39	169
17	42.00	88	74.08	118
27	41.12	94	75.26	64
Nov. 6	40.18	93	75.90	4
16	39.25	91	75.94	55
26	38.34	85	75.39	115
Dez. 6	37.49	75	74.24	169
16	36.74	62	72.55	220
26	36.12	49	70.35	264
36	35.63		67.71	
Mittl. Ort	32.63		78.39	
sec δ, tg δ	4.684		−4.576	
a, a'	+6.7		+16.1	
b, b'	−0.25		+ 0.59	

815) ε Pegasi

Tag	AR.		Dekl.	
1937	21^h 41^m		+9° 35′	
Jan. 1	5.575	36	14.42	124
11	5.539	8	13.18	128
21	5.531	21	11.90	125
31	5.552	51	10.65	117
Febr. 10	5.603	84	9.48	103
20	5.687	114	8.45	82
März 2	5.801	148	7.63	56
12	5.949	179	7.07	25
22	6.128	210	6.82	7
Apr. 1	6.338	238	6.89	44
11	6.576	263	7.33	78
21	6.839	283	8.11	112
Mai 1	7.122	299	9.23	143
11	7.421	308	10.66	171
21	7.729	308	12.37	192
31	8.037	303	14.29	209
Juni 10	8.340	288	16.38	220
20	8.628	267	18.58	225
30	8.895	239	20.83	223
Juli 10	9.134	204	23.06	220
20	9.338	166	25.26	207
30	9.504	123	27.33	193
Aug. 9	17 9.627	79	29.26	175
18	9.706	35	31.01	153
28	9.741	7	32.54	131
Sept. 7	9.734	46	33.85	108
17	9.688	80	34.93	82
27	9.608	107	35.75	58
Okt. 7	9.501	128	36.33	34
17	9.373	141	36.67	9
27	9.232	146	36.76	13
Nov. 6	9.086	144	36.63	36
16	8.942	136	36.27	58
26	8.806	122	35.69	77
Dez. 6	8.684	103	34.92	96
16	8.581	81	33.96	110
26	8.500	56	32.86	121
36	8.444		31.65	
Mittl. Ort	5.490		6.85	
sec δ, tg δ	1.014		+0.169	
a, a'	+2.9		+16.5	
b, b'	+0.01		+ 0.57	

Tag	819) δ Capricorni[1]) AR.	Δ	Dekl.	Δ	821) π² Cygni AR.	Δ	Dekl.	Δ	822) γ Gruis AR.	Δ	Dekl.	Δ	823) 16 Pegasi AR.	Δ	Dekl.	Δ
1937	21h 43m		−16° 24′		21h 44m		+49° 0′		21h 50m		−37° 39′		21h 50m		+25° 37′	
Jan. 1	34.108	28	49.74	2	27.278	137	79.20	231	7.229	54	47.42	105	11.639	65	52.59	177
11	34.080	2	49.76	10	27.141	93	76.89	259	7.175	17	46.37	130	11.574	35	50.82	192
21	34.082	32	49.66	25	27.048	45	74.30	279	7.158	20	45.07	151	11.539	4	48.90	199
31	34.114	62	49.41	41	27.003	8	71.51	286	7.178	58	43.56	170	11.535	32	46.91	198
Febr. 10	34.176	93	49.00	57	27.011	62	68.65	282	7.236	96	41.86	186	11.567	67	44.93	188
20	34.269	125	48.43	74	27.073	118	65.83	266	7.332	135	40.00	200	11.634	105	43.05	169
März 2	34.394	155	47.69	93	27.191	174	63.17	239	7.467	172	38.00	209	11.739	141	41.36	142
12	34.549	187	46.76	111	27.365	227	60.78	202	7.639	209	35.91	216	11.880	179	39.94	108
22	34.736	217	45.65	128	27.592	277	58.76	157	7.848	244	33.75	219	12.059	214	38.86	67
Apr. 1	34.953	244	44.37	143	27.869	320	57.19	105	8.092	278	31.56	217	12.273	248	38.19	25
11	35.197	270	42.94	157	28.189	358	56.14	50	8.370	309	29.39	212	12.521	275	37.94	21
21	35.467	292	41.37	167	28.547	385	55.64	9	8.679	334	27.27	202	12.796	299	38.15	67
Mai 1	35.759	307	39.70	173	28.932	402	55.73	65	9.013	353	25.25	188	13.095	316	38.82	111
11	36.066	318	37.97	174	29.334	410	56.38	121	9.366	368	23.37	168	13.411	326	39.93	152
21	36.384	320	36.23	171	29.744	406	57.59	173	9.734	372	21.69	145	13.737	327	41.45	188
31	36.704	316	34.52	163	30.150	392	59.32	218	10.106	369	20.24	119	14.064	320	43.33	219
Juni 10	37.020	303	32.89	151	30.542	366	61.50	259	10.475	356	19.05	88	14.384	304	45.52	243
20	37.323	283	31.38	135	30.908	332	64.09	291	10.831	334	18.17	56	14.688	282	47.95	262
30	37.606	256	30.03	115	31.240	288	67.00	317	11.165	303	17.61	23	14.970	252	50.57	273
Juli 10	37.862	221	28.88	94	31.528	239	70.17	335	11.468	265	17.38	9	15.222	214	53.30	279
20	38.083	182	27.94	70	31.767	184	73.52	344	11.733	219	17.47	42	15.436	174	56.09	276
30	38.265	137	27.24	46	31.951	125	76.96	346	11.952	168	17.89	72	15.610	129	58.85	270
Aug. 9	38.402	92	26.78	23	32.076	65	80.42	341	12.120	114	18.61	97	15.739	83	61.55	256
18*)	[17] 38.494	46	26.55	1	[18] 32.141	6	83.83	329	[19] 12.234	59	19.58	119	[19] 15.822	36	64.11	239
28	38.540	0	26.54	19	32.147	51	87.12	310	12.293	3	20.77	134	15.858	8	66.50	216
Sept. 7	38.540	41	26.73	35	32.096	104	90.22	285	12.296	48	22.11	144	15.850	50	68.66	192
17	38.499	77	27.08	49	31.992	152	93.07	254	12.248	96	23.55	145	15.800	86	70.58	163
27	38.422	108	27.57	57	31.840	190	95.61	218	12.152	133	25.00	141	15.714	117	72.21	132
Okt. 7	38.314	130	28.14	63	31.650	222	97.79	177	12.019	163	26.41	130	15.597	140	73.53	99
17	38.184	144	28.77	65	31.428	245	99.56	133	11.856	184	27.71	113	15.457	155	74.52	65
27	38.040	150	29.42	63	31.183	259	100.89	84	11.672	194	28.84	90	15.302	164	75.17	29
Nov. 6	37.890	147	30.05	58	30.924	264	101.73	34	11.478	193	29.74	64	15.138	165	75.46	8
16	37.743	137	30.63	52	30.660	260	102.07	18	11.285	184	30.38	34	14.973	160	75.38	43
26	37.606	122	31.15	43	30.400	247	101.89	71	11.101	167	30.72	4	14.813	147	74.95	78
Dez. 6	37.484	100	31.58	35	30.153	227	101.18	121	10.934	142	30.76	27	14.666	132	74.17	112
16	37.384	77	31.93	24	29.926	199	99.97	169	10.792	113	30.49	57	14.534	110	73.05	141
26	37.307	49	32.17	11	29.727	164	98.28	210	10.679	80	29.92	86	14.424	85	71.64	167
36	37.258		32.28		29.563		96.18		10.599		29.06		14.339		69.97	
Mittl. Ort	33.959		50.79		27.837		62.39		7.171		43.76		11.651		40.69	
sec δ, tg δ	1.042		−0.295		1.525		+1.151		1.263		−0.772		1.109		+0.480	
a, a′	+3.3		+16.6		+2.2		+16.6		+3.6		+16.9		+2.7		+16.9	
b, b′	−0.02		+ 0.56		+0.06		+ 0.56		−0.04		+ 0.54		+0.03		+ 0.54	

[1]) Die jährliche Parallaxe (0.″114) ist bereits berücksichtigt.

*) Bei Stern 822) und 823) lies Aug. 19.

Tag	827) α Aquarii AR.		827) α Aquarii Dekl.		828) ι Aquarii AR.		828) ι Aquarii Dekl.		830) 20 Cephei AR.		830) 20 Cephei Dekl.		829) α Gruis AR.		829) α Gruis Dekl.	
1937	22h 2m		−0° 37′		22h 3m		−14° 10′		22h 3m		+62° 28′		22h 4m		−47° 15′	
Jan. 1	33.146	45	30.91	76	2.447	44	32.37	14	4.48	27	60.40	219	16.267	94	68.13	143
11	33.101	19	31.67	72	2.403	18	32.51	2	4.21	21	58.21	258	16.173	52	66.70	175
21	33.082	7	32.39	65	2.385	10	32.53	13	4.00	14	55.63	287	16.121	8	64.95	201
31	33.089	35	33.04	54	2.395	40	32.40	28	3.86	7	52.76	305	16.113	36	62.94	223
Febr. 10	33.124	65	33.58	39	2.435	69	32.12	46	3.79	1	49.71	310	16.149	82	60.71	240
20	33.189	96	33.97	19	2.504	101	31.66	64	3.80	10	46.61	303	16.231	126	58.31	252
März 2	33.285	128	34.16	4	2.605	132	31.02	85	3.90	18	43.58	282	16.357	172	55.79	260
12	33.413	160	34.12	29	2.737	165	30.17	103	4.08	27	40.76	252	16.529	216	53.19	263
22	33.573	192	33.83	57	2.902	197	29.14	124	4.35	33	38.24	210	16.745	258	50.56	261
Apr. 1	33.765	221	33.26	84	3.099	226	27.90	141	4.68	41	36.14	160	17.003	299	47.95	253
11	33.986	249	32.42	112	3.325	255	26.49	158	5.09	46	34.54	105	17.302	335	45.42	241
21	34.235	273	31.30	136	3.580	279	24.91	170	5.55	50	33.49	46	17.637	366	43.01	223
Mai 1	34.508	291	29.94	158	3.859	298	23.21	179	6.05	54	33.03	14	18.003	392	40.78	201
11	34.799	304	28.36	176	4.157	312	21.42	183	6.59	54	33.17	74	18.395	410	38.77	174
21	35.103	310	26.60	188	4.469	318	19.59	182	7.13	54	33.91	133	18.805	418	37.03	143
31	35.413	307	24.72	197	4.787	316	17.77	177	7.67	53	35.24	185	19.223	417	35.60	108
Juni 10	35.720	297	22.75	199	5.103	308	16.00	167	8.20	49	37.09	233	19.640	406	34.52	70
20	36.017	281	20.76	195	5.411	290	14.33	152	8.69	45	39.42	274	20.046	384	33.82	32
30	36.298	255	18.81	188	5.701	266	12.81	134	9.14	39	42.16	309	20.430	352	33.50	8
Juli 10	36.553	224	16.93	176	5.967	234	11.47	113	9.53	33	45.25	336	20.782	310	33.58	46
20	36.777	187	15.17	160	6.201	196	10.34	90	9.86	25	48.61	355	21.092	261	34.04	83
30	36.964	147	13.57	142	6.397	155	9.44	65	10.11	18	52.16	365	21.353	204	34.87	117
Aug. 9	37.111	104	12.15	120	6.552	110	8.79	41	10.29	9	55.81	369	21.557	143	36.04	144
19	37.215	60	10.95	98	6.662	65	8.38	17	10.38	2	59.50	364	21.700	79	37.48	168
28	37.275	17	9.97	76	6.727	20	8.21	4	10.40	6	63.14	352	21.779	16	39.16	182
Sept. 7	37.292	22	9.21	53	6.747	21	8.25	23	10.34	13	66.66	333	21.795	46	40.98	191
17	37.270	58	8.68	32	6.726	60	8.48	39	10.21	20	69.99	306	21.749	101	42.89	190
27	37.212	88	8.36	14	6.666	90	8.87	51	10.01	27	73.05	273	21.648	149	44.79	181
Okt. 7	37.124	111	8.22	5	6.576	116	9.38	60	9.74	31	75.78	235	21.499	188	46.60	164
17	37.013	126	8.27	21	6.460	132	9.98	64	9.43	35	78.13	190	21.311	216	48.24	141
27	36.887	134	8.48	35	6.328	140	10.62	65	9.08	38	80.03	140	21.095	232	49.65	110
Nov. 6	36.753	136	8.83	46	6.188	142	11.27	63	8.70	39	81.43	87	20.863	238	50.75	74
16	36.617	131	9.29	58	6.046	137	11.90	59	8.31	40	82.30	30	20.625	231	51.49	37
26	36.486	120	9.87	65	5.909	124	12.49	53	7.91	40	82.60	28	20.394	214	51.86	4
Dez. 6	36.366	104	10.52	72	5.785	108	13.02	44	7.51	38	82.32	86	20.180	191	51.82	45
16	36.262	85	11.24	77	5.677	87	13.46	35	7.13	35	81.46	141	19.989	158	51.37	83
26	36.177	64	12.01	78	5.590	63	13.81	24	6.78	30	80.05	193	19.831	123	50.54	120
36	36.113		12.79		5.527		14.05		6.48		78.12		19.708		49.34	
Mittl. Ort	32.921		36.10		2.211		33.90		5.53		40.18		16.285		62.33	
sec δ, tg δ	1.000		−0.011		1.031		−0.253		2.164		+1.919		1.474		−1.082	
a, *a′*	+3.1		+17.5		+3.2		+17.5		+1.8		+17.5		+3.8		+17.5	
b, *b′*	0.00		+ 0.49		−0.01		+ 0.49		+0.11		+ 0.49		−0.06		+ 0.48	

Scheinbare Sternörter 1937

Tag		834) ϑ Pegasi AR.		834) ϑ Pegasi Dekl.		835) π Pegasi AR.		835) π Pegasi Dekl.		837) 24 Cephei AR.		837) 24 Cephei Dekl.		836) ζ Cephei AR.		836) ζ Cephei Dekl.	
1937		$22^h\ 7^m$		$+5°\ 53'$		$22^h\ 7^m$		$+32°\ 52'$		$22^h\ 8^m$		$+72°\ 1'$		$22^h\ 8^m$		$+57°\ 53'$	
Jan.	1	1.541	51	20.86	102	11.229	93	20.68	186	33.99	47	72.05	207	39.226	225	44.41	214
	11	1.490	27	19.84	103	11.136	64	18.82	206	33.52	39	69.98	251	39.001	176	42.27	251
	21	1.463	0	18.81	99	11.072	31	16.76	221	33.13	28	67.47	286	38.825	119	39.76	279
	31	1.463	29	17.82	91	11.041	5	14.55	224	32.85	16	64.61	309	38.706	55	36.97	296
Febr.	10	1.492	58	16.91	77	11.046	45	12.31	219	32.69	4	61.52	320	38.651	14	34.01	301
	20	1.550	91	16.14	58	11.091	85	10.12	204	32.65	10	58.32	317	38.665	85	31.00	293
März	2	1.641	122	15.56	35	11.176	127	8.08	179	32.75	22	55.15	301	38.750	157	28.07	273
	12	1.763	156	15.21	6	11.303	169	6.29	147	32.97	35	52.14	274	38.907	228	25.34	242
	22	1.919	188	15.15	24	11.472	210	4.82	107	33.32	47	49.40	236	39.135	294	22.92	201
Apr.	1	2.107	220	15.39	55	11.682	247	3.75	62	33.79	56	47.04	188	39.429	354	20.91	153
	11	2.327	248	15.94	88	11.929	281	3.13	15	34.35	66	45.16	133	39.783	404	19.38	99
	21	2.575	272	16.82	118	12.210	308	2.98	35	35.01	71	43.83	76	40.187	444	18.39	40
Mai	1	2.847	291	18.00	145	12.518	329	3.33	83	35.72	75	43.07	14	40.631	472	17.99	19
	11	3.138	305	19.45	170	12.847	342	4.16	129	36.47	77	42.93	47	41.103	485	18.18	77
	21	3.443	310	21.15	189	13.189	345	5.45	172	37.24	77	43.40	107	41.588	487	18.95	134
	31	3.753	309	23.04	203	13.534	341	7.17	209	38.01	73	44.47	162	42.075	473	20.29	185
Juni	10	4.062	299	25.07	211	13.875	326	9.26	241	38.74	70	46.09	214	42.548	449	22.14	232
	20	4.361	281	27.18	215	14.201	304	11.67	265	39.44	62	48.23	259	42.997	411	24.46	273
	30	4.642	257	29.33	211	14.505	274	14.32	283	40.06	55	50.82	298	43.408	363	27.19	305
Juli	10	4.899	225	31.44	205	14.779	237	17.15	295	40.61	45	53.80	329	43.771	307	30.24	331
	20	5.124	190	33.49	192	15.016	195	20.10	299	41.06	34	57.09	353	44.078	244	33.55	349
	30	5.314	149	35.41	177	15.211	149	23.09	297	41.40	24	60.62	368	44.322	177	37.04	359
Aug.	9	5.463	106	37.18	157	15.360	100	26.06	288	41.64	12	64.30	376	44.499	106	40.63	361
	19	23 5.569	63	38.75	137	23 15.460	52	28.94	274	24 41.76	1	68.06	377	24 44.605	36	44.24	357
	28	5.632	20	40.12	114	15.512	5	31.68	255	41.77	10	71.83	368	44.641	33	47.81	343
Sept.	7	5.652	19	41.26	91	15.517	39	34.23	231	41.67	22	75.51	352	44.608	97	51.24	324
	17	5.633	55	42.17	68	15.478	79	36.54	203	41.45	31	79.03	330	44.511	157	54.48	297
	27	5.578	84	42.85	45	15.399	112	38.57	172	41.14	40	82.33	299	44.354	209	57.45	266
Okt.	7	5.494	108	43.30	23	15.287	140	40.29	137	40.74	48	85.32	263	44.145	254	60.11	226
	17	5.386	124	43.53	2	15.147	160	41.66	100	40.26	55	87.95	219	43.891	288	62.37	183
	27	5.262	134	43.55	17	14.987	172	42.66	61	39.71	59	90.14	170	43.603	314	64.20	135
Nov.	6	5.128	135	43.38	36	14.815	177	43.27	20	39.12	63	91.84	116	43.289	329	65.55	83
	16	4.993	132	43.02	53	14.638	176	43.47	21	38.49	65	93.00	58	42.960	335	66.38	28
	26	4.861	122	42.49	68	14.462	168	43.26	62	37.84	64	93.58	2	42.625	330	66.66	29
Dez.	6	4.739	107	41.81	82	14.294	155	42.64	101	37.20	62	93.56	63	42.295	315	66.37	85
	16	4.632	90	40.99	93	14.139	137	41.63	139	36.58	59	92.93	122	41.980	289	65.52	139
	26	4.542	69	40.06	100	14.002	113	40.24	170	35.99	52	91.71	178	41.691	255	64.13	187
	36	4.473		39.06		13.889		38.54		35.47		89.93		41.436		62.26	
Mittl. Ort		1.314		13.80		11.231		6.32		36.02		50.24		39.920		24.61	
sec δ, tg δ		1.005		+0.103		1.191		+0.646		3.241		+3.083		1.881		+1.593	
a, *a'*		+3.0		+17.7		+2.7		+17.7		+1.1		+17.7		+2.1		+17.7	
b, *b'*		+0.01		+ 0.47		+0.04		+ 0.47		+0.18		+ 0.47		+0.09		+ 0.47	

Tag		840) ϑ Aquarii AR.		840) ϑ Aquarii Dekl.		841) α Tucanae AR.		841) α Tucanae Dekl.		842) γ Aquarii AR.		842) γ Aquarii Dekl.		844) 3 Lacertae AR.		844) 3 Lacertae Dekl.	
1937		$22^h\ 13^m$		$-8°\ 5'$		$22^h\ 14^m$		$-60°\ 33'$		$22^h\ 18^m$		$-1°\ 41'$		$22^h\ 21^m$		$+51°\ 54'$	
Jan.	1	$30^s.930$	51	$48''.60$	42	$11^s.81$	18	$96''.70$	195	$24^s.469$	55	$75''.00$	69	$4^s.422$	188	$65''.39$	199
	11	30.879	27	49.02	34	11.63	12	94.75	233	24.414	32	75.69	65	4.234	149	63.40	236
	21	30.852	1	49.36	22	11.51	6	92.42	262	24.382	7	76.34	57	4.085	103	61.04	263
	31	30.851	27	49.58	7	11.45	0	89.80	287	24.375	21	76.91	45	3.982	51	58.41	279
Febr.	10	30.878	57	49.65	9	11.45	7	86.93	303	24.396	49	77.36	30	3.931	5	55.62	284
	20	30.935	88	49.56	28	11.52	13	83.90	314	24.445	80	77.66	11	3.936	65	52.78	277
März	2	31.023	119	49.28	50	11.65	19	80.76	317	24.525	113	77.77	12	4.001	126	50.01	259
	12	31.142	151	48.78	72	11.84	26	77.59	315	24.638	145	77.65	37	4.127	188	47.42	229
	22	31.293	184	48.06	96	12.10	32	74.44	305	24.783	179	77.28	63	4.315	246	45.13	191
Apr.	1	31.477	216	47.10	118	12.42	37	71.39	289	24.962	210	76.65	90	4.561	299	43.22	145
	11	31.693	244	45.92	139	12.79	42	68.50	268	25.172	239	75.75	115	4.860	347	41.77	92
	21	31.937	269	44.53	157	13.21	47	65.82	242	25.411	265	74.60	140	5.207	385	40.85	37
Mai	1	32.206	291	42.96	173	13.68	50	63.40	208	25.676	287	73.20	161	5.592	414	40.48	20
	11	32.497	304	41.23	183	14.18	53	61.32	173	25.963	301	71.59	177	6.006	430	40.68	76
	21	32.801	313	39.40	188	14.71	54	59.59	131	26.264	310	69.82	190	6.436	436	41.44	131
	31	33.114	313	37.52	189	15.25	54	58.28	87	26.574	310	67.92	197	6.872	429	42.75	180
Juni	10	33.427	304	35.63	185	15.79	52	57.41	42	26.884	304	65.95	198	7.301	411	44.55	225
	20	33.731	290	33.78	176	16.31	50	56.99	5	27.188	287	63.97	195	7.712	383	46.80	263
	30	34.021	266	32.02	162	16.81	46	57.04	51	27.475	266	62.02	187	8.095	343	49.43	295
Juli	10	34.287	236	30.40	144	17.27	41	57.55	95	27.741	235	60.15	174	8.438	297	52.38	320
	20	34.523	201	28.96	125	17.68	35	58.50	136	27.976	201	58.41	157	8.735	244	55.58	336
	30	34.724	160	27.71	102	18.03	27	59.86	172	28.177	162	56.84	138	8.979	185	58.94	346
Aug.	9	34.884	117	26.69	78	18.30	19	61.58	202	28.339	119	55.46	116	9.164	125	62.40	347
	19	35.001	74	25.91	55	18.49	11	63.60	224	28.458	76	54.30	94	9.289	64	65.87	343
	28	[25] 35.075	29	25.36	33	[25] 18.60	2	65.84	238	[26] 28.534	33	53.36	70	[27] 9.353	2	69.30	329
Sept.	7	35.104	11	25.03	11	18.62	7	68.22	243	28.567	7	52.66	49	9.355	54	72.59	311
	17	35.093	48	24.92	8	18.55	14	70.65	237	28.560	43	52.17	27	9.301	107	75.70	286
	27	35.045	79	25.00	24	18.41	21	73.02	222	28.517	74	51.90	8	9.194	154	78.56	254
Okt.	7	34.966	105	25.24	37	18.20	27	75.24	198	28.443	99	51.82	10	9.040	193	81.10	218
	17	34.861	121	25.61	47	17.93	32	77.22	164	28.344	117	51.92	25	8.847	225	83.28	177
	27	34.740	133	26.08	54	17.61	34	78.86	125	28.227	128	52.17	38	8.622	249	85.05	130
Nov.	6	34.607	134	26.62	59	17.27	36	80.11	78	28.099	131	52.55	49	8.373	263	86.35	82
	16	34.473	132	27.21	61	16.91	35	80.89	30	27.968	129	53.04	58	8.110	270	87.17	29
	26	34.341	121	27.82	61	16.56	34	81.19	23	27.839	121	53.62	65	7.840	267	87.46	24
Dez.	6	34.220	108	28.43	58	16.22	31	80.96	74	27.718	108	54.27	69	7.573	257	87.22	77
	16	34.112	90	29.01	56	15.91	27	80.22	122	27.610	92	54.96	72	7.316	238	86.45	129
	26	34.022	69	29.57	49	15.64	22	79.00	168	27.518	72	55.68	73	7.078	212	85.16	175
	36	33.953		30.06		15.42		77.32		27.446		56.41		6.866		83.41	
Mittl. Ort		30.645		51.76		12.16		88.63		24.167		80.00		4.728		46.08	
sec δ, tg δ		1.010		−0.142		2.036		−1.773		1.000		−0.030		1.621		+1.276	
a, *a′*		+3.2		+17.9		+4.1		+17.9		+3.1		+18.1		+2.4		+18.2	
b, *b′*		−0.01		+ 0.45		−0.11		+ 0.45		0.00		+ 0.43		+0.08		+ 0.42	

Tag	848) 7 Lacertae AR.		848) 7 Lacertae Dekl.		850) η Aquarii AR.		850) η Aquarii Dekl.		852) 10 Lacertae AR.		852) 10 Lacertae Dekl.		855) ζ Pegasi AR.		855) ζ Pegasi Dekl.	
1937	$22^h\ 28^m$		$+49°\ 57'$		$22^h\ 32^m$		$-0°\ 26'$		$22^h\ 36^m$		$+38°\ 43'$		$22^h\ 38^m$		$+10°\ 30'$	
Jan. 1	41.360 s	181	48.24″	191	7.539 s	65	28.85″	73	25.998 s	131	35.52″	173	19.523 s	75	15.64″	109
11	41.179	145	46.33	226	7.474	43	29.58	69	25.867	105	33.79	201	19.448	54	14.55	114
21	41.034	103	44.07	253	7.431	19	30.27	62	25.762	73	31.78	223	19.394	31	13.41	115
31	40.931	55	41.54	271	7.412	6	30.89	51	25.689	36	29.55	234	19.363	4	12.26	109
Febr. 10	40.876	2	38.83	276	7.418	36	31.40	36	25.653	5	27.21	237	19.359	25	11.17	100
20	40.874	55	36.07	270	7.454	66	31.76	17	25.658	50	24.84	227	19.384	57	10.17	82
März 2	40.929	113	33.37	253	7.520	98	31.93	5	25.708	96	22.57	210	19.441	91	9.35	61
12	41.042	173	30.84	225	7.618	132	31.88	29	25.804	143	20.47	181	19.532	125	8.74	34
22	41.215	229	28.59	187	7.750	166	31.59	57	25.947	191	18.66	146	19.657	162	8.40	3
Apr. 1	41.444	282	26.72	143	7.916	198	31.02	84	26.138	235	17.20	103	19.819	197	8.37	29
11	41.726	328	25.29	92	8.114	231	30.18	110	26.373	276	16.17	57	20.016	229	8.66	63
21	42.054	369	24.37	38	8.345	258	29.08	136	26.649	311	15.60	6	20.245	259	9.29	97
Mai 1	42.423	397	23.99	18	8.603	281	27.72	158	26.960	338	15.54	44	20.504	282	10.26	127
11	42.820	416	24.17	74	8.884	298	26.14	176	27.298	357	15.98	93	20.786	301	11.53	157
21	43.236	424	24.91	126	9.182	309	24.38	189	27.655	366	16.91	141	21.087	311	13.10	180
31	43.660	419	26.17	176	9.491	311	22.49	199	28.021	367	18.32	182	21.398	315	14.90	200
Juni 10	44.079	404	27.93	220	9.802	306	20.50	202	28.388	357	20.14	221	21.713	309	16.90	214
20	44.483	379	30.13	258	10.108	293	18.48	199	28.745	337	22.35	251	22.022	296	19.04	222
30	44.862	343	32.71	290	10.401	272	16.49	193	29.082	310	24.86	278	22.318	276	21.26	225
Juli 10	45.205	299	35.61	314	10.673	245	14.56	181	29.392	275	27.64	295	22.594	248	23.51	221
20	45.504	250	38.75	331	10.918	211	12.75	165	29.667	233	30.59	306	22.842	214	25.72	214
30	45.754	194	42.06	340	11.129	173	11.10	146	29.900	188	33.65	311	23.056	176	27.86	201
Aug. 9	45.948	136	45.46	342	11.302	132	9.64	125	30.088	138	36.76	308	23.232	135	29.87	185
19	46.084	76	48.88	338	11.434	89	8.39	102	30.226	88	39.84	300	23.367	93	31.72	165
29	46.160	19	52.26	326	11.523	46	7.37	80	30.314	38	42.84	285	23.460	50	33.37	144
Sept. 7	[29] 46.179	37	55.52	307	[30] 11.569	6	6.57	56	[31] 30.352	9	45.69	266	[31] 23.510	10	34.81	121
17	46.142	87	58.59	283	11.575	31	6.01	34	30.343	52	48.35	241	23.520	27	36.02	96
27	46.055	134	61.42	253	11.544	62	5.67	14	30.291	92	50.76	211	23.493	59	36.98	73
Okt. 7	45.921	173	63.95	218	11.482	89	5.53	5	30.199	123	52.87	179	23.434	86	37.71	48
17	45.748	203	66.13	177	11.393	108	5.58	21	30.076	150	54.66	142	23.348	106	38.19	25
27	45.545	228	67.90	133	11.285	121	5.79	35	29.926	169	56.08	102	23.242	119	38.44	2
Nov. 6	45.317	243	69.23	85	11.164	127	6.14	47	29.757	182	57.10	60	23.123	127	38.46	20
16	45.074	250	70.08	33	11.037	126	6.61	57	29.575	187	57.70	15	22.996	129	38.26	41
26	44.824	250	70.41	18	10.911	121	7.18	65	29.388	186	57.85	29	22.867	126	37.85	60
Dez. 6	44.574	242	70.23	69	10.790	112	7.83	70	29.202	180	57.56	73	22.741	117	37.25	77
16	44.332	225	69.54	121	10.678	97	8.53	75	29.022	167	56.83	115	22.624	105	36.48	93
26	44.107	202	68.33	166	10.581	80	9.28	76	28.855	149	55.68	154	22.519	89	35.55	105
36	43.905		66.67		10.501		10.04		28.706		54.14		22.430		34.50	
Mittl. Ort	41.528		28.99		7.171		34.30		25.867		18.62		19.149		6.79	
sec δ, tg δ	1.554		+1.190		1.000		−0.008		1.282		+0.802		1.017		+0.185	
a, a′	+2.5		+18.5		+3.1		+18.6		+2.7		+18.7		+3.0		+18.8	
b, b′	+0.07		+ 0.39		0.00		+ 0.37		+0.05		+ 0.36		+0.01		+ 0.35	

Tag	856) β Gruis AR.	Δ	856) β Gruis Dekl.	Δ	857) η Pegasi AR.	Δ	857) η Pegasi Dekl.	Δ	859) λ Pegasi AR.	Δ	859) λ Pegasi Dekl.	Δ	860) ε Gruis AR.	Δ	860) ε Gruis Dekl.	Δ
1937	$22^h\ 38^m$		$-47^\circ\ 12'$		$22^h\ 40^m$		$+29^\circ\ 53'$		$22^h\ 43^m$		$+23^\circ\ 14'$		$22^h\ 44^m$		$-51^\circ\ 38'$	
Jan. 1	$54^s.902$	133	$60''.73$	121	$3^s.036$	107	$42''.63$	156	$29^s.997$	95	$13''.70$	140	$45^s.577$	162	$63''.55$	135
11	54.769	98	59.52	157	2.929	84	41.07	178	29.902	73	12.30	157	45.415	124	62.20	173
21	54.671	59	57.95	190	2.845	56	39.29	193	29.829	49	10.73	168	45.291	80	60.47	208
31	54.612	18	56.05	217	2.789	25	37.36	201	29.780	19	9.05	170	45.211	36	58.39	237
Febr. 10	54.594	26	53.88	240	2.764	10	35.35	198	29.761	12	7.35	166	45.175	12	56.02	261
20	54.620	71	51.48	258	2.774	49	33.37	188	29.773	48	5.69	154	45.187	62	53.41	280
März 2	54.691	116	48.90	271	2.823	90	31.49	167	29.821	85	4.15	133	45.249	112	50.61	291
12	54.807	163	46.19	278	2.913	132	29.82	141	29.906	124	2.82	105	45.361	163	47.70	299
22	54.970	209	43.41	282	3.045	173	28.41	105	30.030	164	1.77	73	45.524	215	44.71	299
Apr. 1	55.179	254	40.59	277	3.218	214	27.36	66	30.194	203	1.04	36	45.739	263	41.72	293
11	55.433	296	37.82	270	3.432	252	26.70	22	30.397	238	0.68	6	46.002	309	38.79	283
21	55.729	334	35.12	254	3.684	284	26.48	23	30.635	270	0.74	46	46.311	352	35.96	265
Mai 1	56.063	367	32.58	235	3.968	311	26.71	69	30.905	295	1.20	87	46.663	387	33.31	242
11	56.430	391	30.23	210	4.279	329	27.40	112	31.200	315	2.07	127	47.050	417	30.89	213
21	56.821	409	28.13	179	4.608	340	28.52	153	31.515	326	3.34	162	47.467	434	28.76	181
31	57.230	415	26.34	145	4.948	341	30.05	189	31.841	329	4.96	192	47.901	445	26.95	142
Juni 10	57.645	412	24.89	106	5.289	334	31.94	220	32.170	323	6.88	218	48.346	442	25.53	102
20	58.057	399	23.83	66	5.623	318	34.14	245	32.493	309	9.06	239	48.788	429	24.51	58
30	58.456	373	23.17	24	5.941	294	36.59	264	32.802	287	11.45	251	49.217	404	23.93	12
Juli 10	58.829	339	22.93	18	6.235	263	39.23	276	33.089	258	13.96	259	49.621	367	23.81	31
20	59.168	295	23.11	59	6.498	226	41.99	282	33.347	223	16.55	260	49.988	322	24.12	75
30	59.463	244	23.70	98	6.724	183	44.81	282	33.570	184	19.15	256	50.310	267	24.87	115
Aug. 9	59.707	186	24.68	132	6.907	139	47.63	275	33.754	140	21.71	247	50.577	206	26.02	150
19	59.893	125	26.00	161	7.046	92	50.38	262	33.894	97	24.18	232	50.783	140	27.52	181
29	60.018	62	27.61	183	7.138	47	53.00	247	33.991	53	26.50	213	50.923	72	29.33	203
Sept. 7	[1] 60.080	1	29.44	198	[1] 7.185	3	55.47	225	[2] 34.044	10	28.63	192	[2] 50.995	4	31.36	217
17	60.081	58	31.42	204	7.188	38	57.72	201	34.054	28	30.55	167	50.999	60	33.53	223
27	60.023	110	33.46	201	7.150	72	59.73	172	34.026	61	32.22	141	50.939	119	35.76	219
Okt. 7	59.913	155	35.47	190	7.078	102	61.45	141	33.965	91	33.63	111	50.820	167	37.95	205
17	59.758	188	37.37	171	6.976	126	62.86	108	33.874	112	34.74	81	50.653	209	40.00	185
27	59.570	214	39.08	143	6.850	143	63.94	73	33.762	129	35.55	50	50.444	237	41.85	153
Nov. 6	59.356	228	40.51	111	6.707	153	64.67	36	33.633	138	36.05	18	50.207	255	43.38	118
16	59.128	230	41.62	72	6.554	158	65.03	2	33.495	143	36.23	14	49.952	261	44.56	76
26	58.898	224	42.34	32	6.396	156	65.01	39	33.352	141	36.09	46	49.691	255	45.32	30
Dez. 6	58.674	208	42.66	11	6.240	150	64.62	76	33.211	135	35.63	76	49.436	241	45.62	15
16	58.466	186	42.55	54	6.090	139	63.86	111	33.076	124	34.87	104	49.195	217	45.47	61
26	58.280	157	42.01	94	5.951	122	62.75	141	32.952	109	33.83	129	48.978	187	44.86	106
36	58.123		41.07		5.829		61.34		32.843		32.54		48.791		43.80	
Mittl. Ort	54.748		53.89		2.772		28.00		29.656		0.90		45.471		55.74	
sec δ, tg δ	1.472		−1.080		1.153		+0.575		1.088		+0.429		1.612		−1.264	
a, a'	+3.6		+18.8		+2.8		+18.8		+2.9		+18.9		+3.6		+19.0	
b, b'	−0.07		+ 0.35		+0.04		+ 0.34		+0.03		+ 0.33		−0.08		+ 0.32	

Tag	863) ι Cephei AR.		863) ι Cephei Dekl.		864) λ Aquarii AR.		864) λ Aquarii Dekl.		865) ρ Indi AR.		865) ρ Indi Dekl.		866) δ Aquarii AR.		866) δ Aquarii Dekl.	
1937	$22^h\ 47^m$		$+65°\ 52'$		$22^h\ 49^m$		$-7°\ 54'$		$22^h\ 50^m$		$-70°\ 24'$		$22^h\ 51^m$		$-16°\ 8'$	
Jan. 1	$25^s.29$	38	$30''.35$	168	$20^s.187$	75	$52''.10$	44	$17^s.51$	40	$49''.86$	200	$18^s.970$	79	$82''.05$	14
11	24.91	32	28.67	215	20.112	55	52.54	34	17.11	32	47.86	245	18.891	59	82.19	4
21	24.59	26	26.52	255	20.057	32	52.88	22	16.79	24	45.41	283	18.832	36	82.15	22
31	24.33	18	23.97	285	20.025	8	53.10	6	16.55	14	42.58	314	18.796	11	81.93	41
Febr. 10	24.15	9	21.12	301	20.017	19	53.16	11	16.41	5	39.44	337	18.785	18	81.52	61
20	24.06	0	18.11	307	20.036	50	53.05	31	16.36	4	36.07	352	18.803	49	80.91	82
März 2	24.06	10	15.04	300	20.086	81	52.74	53	16.40	15	32.55	358	18.852	81	80.09	103
12	24.16	19	12.04	279	20.167	116	52.21	75	16.55	23	28.97	357	18.933	116	79.06	124
22	24.35	30	9.25	249	20.283	151	51.46	99	16.78	33	25.40	349	19.049	152	77.82	144
Apr. 1	24.65	37	6.76	207	20.434	185	50.47	122	17.11	42	21.91	333	19.201	186	76.38	162
11	25.02	46	4.69	160	20.619	218	49.25	143	17.53	50	18.58	310	19.387	221	74.76	177
21	25.48	51	3.09	105	20.837	249	47.82	162	18.03	58	15.48	281	19.608	251	72.99	190
Mai 1	25.99	57	2.04	48	21.086	274	46.20	178	18.61	63	12.67	245	19.859	279	71.09	198
11	26.56	60	1.56	12	21.360	295	44.42	189	19.24	68	10.22	206	20.138	299	69.11	202
21	27.16	61	1.68	70	21.655	308	42.53	196	19.92	72	8.16	160	20.437	314	67.09	201
31	27.77	61	2.38	127	21.963	314	40.57	198	20.64	73	6.56	111	20.751	321	65.08	194
Juni 10	28.38	59	3.65	179	22.277	313	38.59	194	21.37	73	5.45	61	21.072	320	63.14	183
20	28.97	55	5.44	226	22.590	302	36.65	186	22.10	71	4.84	8	21.392	310	61.31	166
30	29.52	51	7.70	269	22.892	284	34.79	172	22.81	67	4.76	44	21.702	293	59.65	146
Juli 10	30.03	44	10.39	303	23.176	259	33.07	154	23.48	61	5.20	95	21.995	267	58.19	122
20	30.47	37	13.42	331	23.435	227	31.53	134	24.09	54	6.15	142	22.262	235	56.97	96
30	30.84	30	16.73	352	23.662	190	30.19	111	24.63	44	7.57	185	22.497	198	56.01	67
Aug. 9	31.14	21	20.25	364	23.852	150	29.08	85	25.07	34	9.42	222	22.695	156	55.34	40
19	31.35	12	23.89	370	24.002	108	28.23	61	25.41	22	11.64	250	22.851	113	54.94	12
29	31.47	4	27.59	367	24.110	65	27.62	36	25.63	10	14.14	269	22.964	68	54.82	14
Sept. 7	31.51	4	31.26	356	24.175	23	27.26	12	25.73	2	16.83	279	23.032	25	54.96	36
17	31.47	13	34.82	339	24.198	15	27.14	8	25.71	14	19.62	278	23.057	15	55.32	56
27	31.34	20	38.21	315	24.183	48	27.22	27	25.57	26	22.40	264	23.042	50	55.88	71
Okt. 7	31.14	26	41.36	282	24.135	78	27.49	41	25.31	35	25.04	242	22.992	80	56.59	80
17	30.88	32	44.18	245	24.057	98	27.90	53	24.96	43	27.46	208	22.912	104	57.39	87
27	30.56	37	46.63	200	23.959	114	28.43	61	24.53	50	29.54	166	22.808	120	58.26	87
Nov. 6	30.19	40	48.63	150	23.845	123	29.04	66	24.03	55	31.20	116	22.688	129	59.13	85
16	29.79	43	50.13	95	23.722	125	29.70	68	23.48	56	32.36	61	22.559	133	59.98	77
26	29.36	45	51.08	38	23.597	123	30.38	67	22.92	56	32.97	3	22.426	129	60.75	68
Dez. 6	28.91	45	51.46	21	23.474	115	31.05	64	22.36	54	33.00	55	22.297	122	61.43	56
16	28.46	44	51.25	81	23.359	104	31.69	59	21.82	50	32.45	113	22.175	110	61.99	42
26	28.02	39	50.44	137	23.255	88	32.28	52	21.32	44	31.32	166	22.065	94	62.41	27
36	27.63		49.07		23.167		32.80		20.88		29.66		21.971		62.68	
Mittl. Ort	25.89		7.37		19.731		55.28		18.16		39.46		18.516		82.71	
sec δ, tg δ	2.446		+2.232		1.010		−0.139		2.983		−2.810		1.041		−0.290	
a, a'	+2.1		+19.0		+3.1		+19.1		+4.2		+19.1		+3.2		+19.1	
b, b'	+0.14		+ 0.31		−0.01		+ 0.30		−0.18		+ 0.30		−0.02		+ 0.30	

Tag	867) α Pisc. austr. AR.	Δ	Dekl.	Δ	869) o Andromedae AR.	Δ	Dekl.	Δ	870) β Pegasi AR.	Δ	Dekl.	Δ	871) α Pegasi AR.	Δ	Dekl.	Δ
1937	$22^h\ 54^m$		$-29°\ 56'$		$22^h\ 59^m$		$+41°\ 59'$		$23^h\ 0^m$		$+27°\ 44'$		$23^h\ 1^m$		$+14°\ 51'$	
Jan. 1	$10^s.784$	97	86".83	39	$1^s.364$	158	31".16	156	$43^s.461$	113	40".79	137	$37^s.743$	91	67".60	111
11	10.687	74	86.44	67	1.206	134	29.60	190	43.348	93	39.42	160	37.652	75	66.49	123
21	10.613	47	85.77	94	1.072	104	27.70	216	43.255	70	37.82	175	37.577	53	65.26	127
31	10.566	18	84.83	120	0.968	68	25.54	233	43.185	41	36.07	183	37.524	29	63.99	126
Febr. 10	10.548	13	83.63	143	0.900	27	23.21	241	43.144	9	34.24	182	37.495	0	62.73	119
20	10.561	47	82.20	165	0.873	19	20.80	238	43.135	27	32.42	174	37.495	32	61.54	105
März 2	10.608	83	80.55	184	0.892	68	18.42	224	43.162	67	30.68	156	37.527	66	60.49	86
12	10.691	121	78.71	201	0.960	120	16.18	201	43.229	108	29.12	132	37.593	104	59.63	61
22	10.812	159	76.70	214	1.080	171	14.17	169	43.337	152	27.80	100	37.697	142	59.02	30
Apr. 1	10.971	197	74.56	224	1.251	221	12.48	130	43.489	192	26.80	64	37.839	179	58.72	2
11	11.168	233	72.32	230	1.472	268	11.18	86	43.681	232	26.16	23	38.018	215	58.74	37
21	11.401	268	70.02	231	1.740	307	10.32	36	43.913	268	25.93	20	38.233	249	59.11	72
Mai 1	11.669	297	67.71	227	2.047	340	9.96	14	44.181	296	26.13	63	38.482	276	59.83	107
11	11.966	320	65.44	217	2.387	365	10.10	65	44.477	320	26.76	105	38.758	298	60.90	139
21	12.286	337	63.27	203	2.752	379	10.75	113	44.797	333	27.81	143	39.056	312	62.29	167
31	12.623	346	61.24	184	3.131	384	11.88	159	45.130	339	29.24	179	39.368	319	63.96	191
Juni 10	12.969	345	59.40	159	3.515	379	13.47	199	45.469	337	31.03	208	39.687	317	65.87	210
20	13.314	337	57.81	131	3.894	362	15.46	235	45.806	324	33.11	234	40.004	308	67.97	223
30	13.651	318	56.50	99	4.256	338	17.81	265	46.130	304	35.45	251	40.312	290	70.20	230
Juli 10	13.969	292	55.51	66	4.594	305	20.46	287	46.434	276	37.96	264	40.602	264	72.50	232
20	14.261	258	54.85	31	4.899	265	23.33	303	46.710	243	40.60	270	40.866	234	74.82	229
30	14.519	218	54.54	4	5.164	219	26.36	312	46.953	203	43.30	270	41.100	197	77.11	219
Aug. 9	14.737	173	54.58	36	5.383	171	29.48	314	47.156	161	46.00	264	41.297	157	79.30	207
19	14.910	125	54.94	67	5.554	119	32.62	311	47.317	116	48.64	253	41.454	116	81.37	189
29	15.035	75	55.61	94	5.673	69	35.73	299	47.433	73	51.17	237	41.570	73	83.26	170
Sept. 7	15.110	27	56.55	115	5.742	20	38.72	284	47.506	28	53.54	219	41.643	34	84.96	148
17	15.137	18	57.70	131	5.762	27	41.56	262	47.534	11	55.73	194	41.677	5	86.44	123
27	15.119	59	59.01	139	5.735	68	44.18	236	47.523	47	57.67	168	41.672	39	87.67	100
Okt. 7	15.060	93	60.40	142	5.667	104	46.54	205	47.476	78	59.35	140	41.633	67	88.67	74
17	14.967	121	61.82	137	5.563	137	48.59	170	47.398	103	60.75	109	41.566	90	89.41	48
27	14.846	140	63.19	127	5.426	160	50.29	130	47.295	123	61.84	76	41.476	107	89.89	24
Nov. 6	14.706	153	64.46	110	5.266	178	51.59	89	47.172	136	62.60	41	41.369	119	90.13	2
16	14.553	156	65.56	89	5.088	189	52.48	44	47.036	144	63.01	8	41.250	125	90.11	25
26	14.397	155	66.45	65	4.899	195	52.92	1	46.892	146	63.09	28	41.125	127	89.86	48
Dez. 6	14.242	145	67.10	38	4.704	193	52.91	48	46.746	145	62.81	62	40.998	122	89.38	70
16	14.097	132	67.48	10	4.511	186	52.43	93	46.601	137	62.19	95	40.876	116	88.68	89
26	13.965	113	67.58	20	4.325	172	51.50	134	46.464	125	61.24	123	40.760	103	87.79	106
36	13.852		67.38		4.153		50.16		46.339		60.01		40.657		86.73	
Mittl. Ort	10.374		83.58		1.083		12.74		43.032		26.31		37.248		57.11	
sec δ, tg δ	1.154		−0.576		1.345		+0.900		1.130		+0.526		1.035		+0.265	
a, *a'*	+3.3		+19.2		+2.8		+19.3		+2.9		+19.4		+3.0		+19.4	
b, *b'*	−0.04		+ 0.28		+0.06		+ 0.26		+0.03		+ 0.26		+0.02		+ 0.25	

Scheinbare Sternörter 1937

Tag	872) ϑ Gruis AR.	Diff.	872) ϑ Gruis Dekl.	Diff.	874) π Cephei AR.	Diff.	874) π Cephei Dekl.	Diff.	873) c^2 Aquarii AR.	Diff.	873) c^2 Aquarii Dekl.	Diff.	875) Br 3077[1]) AR.	Diff.	875) Br 3077[1]) Dekl.	Diff.
1937	$23^h\ 3^m$		$-43°\ 51'$		$23^h\ 5^m$		$+75°\ 2'$		$23^h\ 6^m$		$-21°\ 30'$		$23^h\ 10^m$		$+56°\ 49'$	
	s		"		s		"		s		"		s		"	
Jan. 1	20.509	144	47.70	89	52.21	68	73.20	133	5.900	93	54.14	2	14.585	256	34.82	147
11	20.365	116	46.81	127	51.53	61	71.87	188	5.807	74	54.12	24	14.329	225	33.35	193
21	20.249	83	45.54	161	50.92	51	69.99	236	5.733	52	53.88	48	14.104	184	31.42	230
31	20.166	48	43.93	192	50.41	39	67.63	272	5.681	27	53.40	70	13.920	134	29.12	259
Febr. 10	20.118	9	42.01	219	50.02	25	64.91	299	5.654	2	52.70	93	13.786	76	26.53	276
20	20.109	31	39.82	241	49.77	11	61.92	313	5.656	33	51.77	116	13.710	10	23.77	282
März 2	20.140	75	37.41	259	49.66	6	58.79	313	5.689	66	50.61	136	13.700	60	20.95	276
12	20.215	120	34.82	271	49.72	21	55.66	302	5.755	101	49.25	157	13.760	133	18.19	258
22	20.335	166	32.11	279	49.93	36	52.64	278	5.856	139	47.68	175	13.893	205	15.61	231
Apr. 1	20.501	210	29.32	281	50.29	51	49.86	244	5.995	176	45.93	190	14.098	273	13.30	193
11	20.711	254	26.51	277	50.80	64	47.42	199	6.171	212	44.03	203	14.371	337	11.37	148
21	20.965	294	23.74	268	51.44	74	45.43	149	6.383	246	42.00	212	14.708	391	9.89	97
Mai 1	21.259	330	21.06	253	52.18	83	43.94	94	6.629	275	39.88	216	15.099	436	8.92	43
11	21.589	359	18.53	231	53.01	88	43.00	35	6.904	300	37.72	215	15.535	469	8.49	12
21	21.948	379	16.22	206	53.89	92	42.65	25	7.204	316	35.57	209	16.004	488	8.61	68
31	22.327	392	14.16	174	54.81	92	42.90	83	7.520	327	33.48	198	16.492	494	9.29	121
Juni 10	22.719	395	12.42	139	55.73	89	43.73	139	7.847	328	31.50	182	16.986	487	10.50	172
20	23.114	386	11.03	100	56.62	85	45.12	191	8.175	322	29.68	160	17.473	468	12.22	216
30	23.500	368	10.03	58	57.47	78	47.03	238	8.497	306	28.08	136	17.941	435	14.38	256
Juli 10	23.868	340	9.45	16	58.25	70	49.41	279	8.803	282	26.72	106	18.376	395	16.94	289
20	24.208	302	9.29	26	58.95	60	52.20	314	9.085	252	25.66	77	18.771	344	19.83	316
30	24.510	258	9.55	68	59.55	48	55.34	341	9.337	216	24.89	46	19.115	287	22.99	335
Aug. 9	24.768	206	10.23	105	60.03	36	58.75	361	9.553	174	24.43	13	19.402	225	26.34	346
19	24.974	150	11.28	137	60.39	23	62.36	373	9.727	130	24.30	16	19.627	160	29.80	351
29	25.124	92	12.65	165	60.62	11	66.09	379	9.857	85	24.46	44	19.787	96	33.31	348
Sept. 7*)	^{7}25.216	34	14.30	186	^{7}60.73	3	69.88	375	^{7}9.942	40	24.90	67	19.883	31	36.79	338
17	25.250	22	16.16	197	60.70	15	73.63	364	9.982	2	25.57	88	^{8}19.914	30	40.17	322
27	25.228	73	18.13	202	60.55	27	77.27	346	9.980	40	26.45	101	19.884	87	43.39	299
Okt. 7	25.155	116	20.15	196	60.28	38	80.73	319	9.940	72	27.46	110	19.797	138	46.38	269
17	25.039	154	22.11	183	59.90	49	83.92	285	9.868	99	28.56	113	19.659	183	49.07	234
27	24.885	180	23.94	161	59.41	57	86.77	245	9.769	118	29.69	109	19.476	221	51.41	193
Nov. 6	24.705	199	25.55	133	58.84	65	89.22	197	9.651	130	30.78	103	19.255	250	53.34	147
16	24.506	208	26.88	99	58.19	70	91.19	144	9.521	137	31.81	90	19.005	274	54.81	97
26	24.298	207	27.87	61	57.49	74	92.63	85	9.384	136	32.71	74	18.731	287	55.78	43
Dez. 6	24.091	199	28.48	21	56.75	76	93.48	24	9.248	131	33.45	57	18.444	292	56.21	11
16	23.892	184	28.69	21	55.99	75	93.72	38	9.117	121	34.02	35	18.152	287	56.10	66
26	23.708	163	28.48	62	55.24	72	93.34	99	8.996	107	34.37	15	17.865	273	55.44	118
36	23.545		27.86		54.52		92.35		8.889		34.52		17.592		54.26	
Mittl. Ort	20.175		40.90		53.28		48.29		5.390		53.07		14.468		12.72	
sec δ, tg δ	1.387		−0.961		3.875		+3.744		1.075		−0.394		1.827		+1.529	
a, a'	+3.4		+19.4		+1.9		+19.5		+3.2		+19.5		+2.6		+19.6	
b, b'	−0.06		+ 0.24		+0.24		+ 0.23		−0.03		+ 0.23		+0.10		+ 0.22	

[1]) Die jährliche Parallaxe (0."145) ist bereits berücksichtigt.

*) Bei Stern 875) lies Sept. 8.

Tag	877) γ Tucanae AR.		877) γ Tucanae Dekl.		879) γ Sculptoris AR.		879) γ Sculptoris Dekl.		880) τ Pegasi AR.		880) τ Pegasi Dekl.	
1937	$23^h\ 13^m$		$-58°\ 34'$		$23^h\ 15^m$		$-32°\ 52'$		$23^h\ 17^m$		$+23°\ 23'$	
Jan. 1	45.905	250	63.08	134	26.074	119	36.47	39	31.517	111	55.74	121
11	45.655	210	61.74	181	25.955	99	36.08	71	31.406	96	54.53	139
21	45.445	164	59.93	221	25.856	73	35.37	101	31.310	76	53.14	152
31	45.281	113	57.72	256	25.783	46	34.36	131	31.234	51	51.62	159
Febr. 10	45.168	57	55.16	286	25.737	15	33.05	157	31.183	23	50.03	158
20	45.111	0	52.30	307	25.722	19	31.48	180	31.160	12	48.45	149
März 2	45.111	60	49.23	323	25.741	56	29.68	202	31.172	49	46.96	133
12	45.171	123	46.00	332	25.797	95	27.66	220	31.221	89	45.63	110
22	45.294	186	42.68	333	25.892	136	25.46	234	31.310	130	44.53	82
Apr. 1	45.480	246	39.35	328	26.028	176	23.12	244	31.440	172	43.71	47
11	45.726	306	36.07	316	26.204	217	20.68	249	31.612	212	43.24	10
21	46.032	360	32.91	298	26.421	254	18.19	250	31.824	248	43.14	29
Mai 1	46.392	408	29.93	272	26.675	287	15.69	244	32.072	279	43.43	69
11	46.800	449	27.21	241	26.962	314	13.25	234	32.351	304	44.12	107
21	47.249	479	24.80	205	27.276	336	10.91	218	32.655	322	45.19	143
31	47.728	498	22.75	164	27.612	349	8.73	196	32.977	331	46.62	174
Juni 10	48.226	504	21.11	118	27.961	352	6.77	169	33.308	331	48.36	201
20	48.730	498	19.93	70	28.313	348	5.08	139	33.639	323	50.37	222
30	49.228	478	19.23	20	28.661	333	3.69	105	33.962	306	52.59	238
Juli 10	49.706	445	19.03	30	28.994	310	2.64	68	34.268	282	54.97	248
20	50.151	399	19.33	78	29.304	279	1.96	30	34.550	251	57.45	252
30	50.550	342	20.11	123	29.583	240	1.66	8	34.801	215	59.97	250
Aug. 9	50.892	275	21.34	165	29.823	197	1.74	44	35.016	176	62.47	243
19	51.167	203	22.99	199	30.020	149	2.18	77	35.192	133	64.90	231
29	51.370	125	24.98	228	30.169	99	2.95	107	35.325	91	67.21	216
Sept. 8	$_{9}$51.495	45	27.26	245	$_{10}$30.268	50	4.02	131	$_{10}$35.416	49	69.37	195
17	51.540	32	29.71	255	30.318	3	5.33	149	35.465	10	71.32	174
27	51.508	106	32.26	253	30.321	42	6.82	160	35.475	26	73.06	148
Okt. 7	51.402	171	34.79	242	30.279	78	8.42	163	35.449	57	74.54	122
17	51.231	227	37.21	220	30.201	111	10.05	158	35.392	83	75.76	94
27	51.004	272	39.41	189	30.090	134	11.63	148	35.309	103	76.70	64
Nov. 6	50.732	302	41.30	150	29.956	151	13.11	130	35.206	119	77.34	34
16	50.430	322	42.80	105	29.805	160	14.41	107	35.087	128	77.68	4
26	50.108	326	43.85	55	29.645	162	15.48	79	34.959	134	77.72	26
Dez. 6	49.782	320	44.40	2	29.483	158	16.27	49	34.825	133	77.46	57
16	49.462	302	44.42	50	29.325	148	16.76	17	34.692	131	76.89	84
26	49.160	274	43.92	102	29.177	134	16.93	16	34.561	123	76.05	109
36	48.886		42.90		29.043		16.77		34.438		74.96	
Mittl. Ort	45.780		53.31		25.574		32.07		30.948		42.34	
sec δ, tg δ	1.918		− 1.637		1.191		− 0.646		1.090		+ 0.433	
a, *a'*	+3.5		+19.6		+3.2		+19.7		+3.0		+19.7	
b, *b'*	−0.11		+ 0.20		−0.04		+ 0.19		+0.03		+ 0.18	

Tag	882) 4 Cassiopeiae AR.		882) Dekl.		884) κ Piscium AR.		884) Dekl.		885) 70 Pegasi AR.		885) Dekl.	
1937	$23^h\ 22^m$		$+61°\ 56'$		$23^h\ 23^m$		$+0°\ 54'$		$23^h\ 25^m$		$+12°\ 24'$	
Jan. 1	$1\overset{s}{.}96$	33	$35\overset{''}{.}55$	130	$42\overset{s}{.}799$	92	$43\overset{''}{.}60$	72	$58\overset{s}{.}643$	100	$55\overset{''}{.}52$	97
11	1.63	31	34.25	179	42.707	78	42.88	69	58.543	87	54.55	105
21	1.32	25	32.46	222	42.629	61	42.19	62	58.456	69	53.50	110
31	1.07	20	30.24	255	42.568	41	41.57	53	58.387	48	52.40	108
Febr. 10	0.87	14	27.69	280	42.527	15	41.04	39	58.339	22	51.32	100
20	0.73	5	24.89	291	42.512	13	40.65	21	58.317	8	50.32	89
März 2	0.68	2	21.98	290	42.525	45	40.44	1	58.325	42	49.43	70
12	0.70	11	19.08	277	42.570	80	40.43	22	58.367	79	48.73	47
22	0.81	20	16.31	254	42.650	117	40.65	48	58.446	117	48.26	19
Apr. 1	1.01	28	13.77	220	42.767	155	41.13	75	58.563	156	48.07	10
11	1.29	35	11.57	177	42.922	190	41.88	102	58.719	194	48.17	43
21	1.64	42	9.80	128	43.112	226	42.90	128	58.913	229	48.60	76
Mai 1	2.06	48	8.52	75	43.338	255	44.18	151	59.142	261	49.36	107
11	2.54	51	7.77	20	43.593	281	45.69	170	59.403	286	50.43	138
21	3.05	54	7.57	38	43.874	299	47.39	187	59.689	305	51.81	164
31	3.59	55	7.95	93	44.173	310	49.26	198	59.994	316	53.45	185
Juni 10	4.14	55	8.88	145	44.483	313	51.24	204	60.310	318	55.30	203
20	4.69	53	10.33	194	44.796	308	53.28	204	60.628	313	57.33	214
30	5.22	50	12.27	237	45.104	295	55.32	200	60.941	299	59.47	221
Juli 10	5.72	45	14.64	275	45.399	274	57.32	190	61.240	277	61.68	221
20	6.17	40	17.39	306	45.673	247	59.22	176	61.517	250	63.89	217
30	6.57	33	20.45	330	45.920	214	60.98	158	61.767	217	66.06	207
Aug. 9	6.90	27	23.75	346	46.134	178	62.56	137	61.984	180	68.13	193
19	7.17	20	27.21	356	46.312	137	63.93	114	62.164	139	70.06	177
29	7.37	12	30.77	358	46.449	98	65.07	90	62.303	99	71.83	156
Sept. 8	$_{11}$7.49	5	34.35	353	$_{12}$46.547	57	65.97	66	$_{12}$62.402	59	73.39	135
17	7.54	2	37.88	340	46.604	19	66.63	42	62.461	21	74.74	111
27	7.52	9	41.28	321	46.623	15	67.05	21	62.482	13	75.85	88
Okt. 7	7.43	15	44.49	294	46.608	44	67.26	0	62.469	43	76.73	64
17	7.28	21	47.43	261	46.564	70	67.26	18	62.426	69	77.37	41
27	7.07	25	50.04	222	46.494	89	67.08	32	62.357	88	77.78	17
Nov. 6	6.82	29	52.26	177	46.405	102	66.76	46	62.269	104	77.95	4
16	6.53	33	54.03	127	46.303	111	66.30	56	62.165	112	77.91	25
26	6.20	35	55.30	72	46.192	116	65.74	64	62.053	119	77.66	44
Dez. 6	5.85	36	56.02	16	46.076	114	65.10	71	61.934	119	77.22	63
16	5.49	36	56.18	42	45.962	110	64.39	73	61.815	116	76.59	79
26	5.13	35	55.76	98	45.852	102	63.66	75	61.699	109	75.80	93
36	4.78		54.78		45.750		62.91		61.590		74.87	
Mittl. Ort	1.80		12.07		42.156		37.61		57.992		45.65	
sec δ, tg δ	2.126		+ 1.876		1.000		+ 0.016		1.024		+ 0.220	
a, *a′*	+2.7		+19.8		+3.1		+19.8		+3.0		+19.8	
b, *b′*	+0.12		+ 0.16		0.00		+ 0.16		+0.01		+ 0.15	

Tag	891) ι Andromedae AR.		Dekl.		892) ι Piscium AR.		Dekl.		893) γ Cephei AR.		Dekl.	
1937	23h 35m		+42° 55′		23h 36m		+5° 17′		23h 36m		+77° 16′	
Jan. 1	3.032s	178	27.95″	124	43.238s	99	11.84″	82	44.35s	85	76.60″	89
11	2.854	162	26.71	160	43.139	87	11.02	82	43.50	79	75.71	147
21	2.692	138	25.11	191	43.052	71	10.20	80	42.71	70	74.24	201
31	2.554	109	23.20	213	42.981	52	9.40	73	42.01	57	72.23	245
Febr. 10	2.445	71	21.07	228	42.929	28	8.67	63	41.44	43	69.78	279
20	2.374	27	18.79	232	42.901	0	8.04	47	41.01	26	66.99	302
März 2	2.347	21	16.47	226	42.901	32	7.57	29	40.75	7	63.97	312
12	2.368	74	14.21	210	42.933	68	7.28	5	40.68	11	60.85	309
22	2.442	129	12.11	185	43.001	105	7.23	20	40.79	29	57.76	294
Apr. 1	2.571	183	10.26	151	43.106	144	7.43	49	41.08	48	54.82	268
11	2.754	235	8.75	112	43.250	181	7.92	76	41.56	64	52.14	231
21	2.989	281	7.63	68	43.431	218	8.68	105	42.20	78	49.83	186
Mai 1	3.270	322	6.95	20	43.649	250	9.73	132	42.98	89	47.97	135
11	3.592	355	6.75	29	43.899	277	11.05	155	43.87	98	46.62	80
21	3.947	377	7.04	77	44.176	297	12.60	176	44.85	105	45.82	21
31	4.324	390	7.81	123	44.473	310	14.36	191	45.90	106	45.61	37
Juni 10	4.714	392	9.04	166	44.783	315	16.27	201	46.96	107	45.98	93
20	5.106	384	10.70	203	45.098	311	18.28	207	48.03	103	46.91	149
30	5.490	366	12.73	236	45.409	300	20.35	206	49.06	98	48.40	199
Juli 10	5.856	339	15.09	263	45.709	282	22.41	201	50.04	89	50.39	244
20	6.195	305	17.72	284	45.991	255	24.42	191	50.93	80	52.83	284
30	6.500	264	20.56	297	46.246	224	26.33	176	51.73	67	55.67	317
Aug. 9	6.764	219	23.53	305	46.470	189	28.09	158	52.40	55	58.84	344
19	6.983	170	26.58	305	46.659	150	29.67	137	52.95	41	62.28	363
29	7.153	121	29.63	300	46.809	110	31.04	115	53.36	26	65.91	375
Sept. 8	7.274	72	32.63	290	46.919	71	32.19	91	53.62	11	69.66	379
17	15 7.346	24	35.53	272	15 46.990	33	33.10	68	15 53.73	3	73.45	375
27	7.370	20	38.25	251	47.023	1	33.78	45	53.70	18	77.20	363
Okt. 7	7.350	59	40.76	225	47.022	32	34.23	23	53.52	31	80.83	343
17	7.291	95	43.01	194	46.990	58	34.46	3	53.21	45	84.26	316
27	7.196	125	44.95	158	46.932	79	34.49	15	52.76	57	87.42	281
Nov. 6	7.071	149	46.53	120	46.853	93	34.34	31	52.19	67	90.23	238
16	6.922	169	47.73	78	46.760	106	34.03	45	51.52	76	92.61	188
26	6.753	182	48.51	34	46.654	111	33.58	58	50.76	83	94.49	133
Dez. 6	6.571	191	48.85	11	46.543	113	33.00	68	49.93	87	95.82	74
16	6.380	191	48.74	56	46.430	112	32.32	76	49.06	89	96.56	10
26	6.189	188	48.18	100	46.318	107	31.56	81	48.17	88	96.66	52
36	6.001		47.18		46.211		30.75		47.29		96.14	
Mittl. Ort	2.421		8.53		42.518		4.38		44.73		50.59	
sec δ, tg δ	1.366		+ 0.930		1.004		+ 0.092		4.542		+ 4.430	
a, *a′*	+2.9		+19.9		+3.1		+19.9		+2.5		+19.9	
b, *b′*	+0.06		+ 0.11		+0.01		+ 0.10		+0.29		+ 0.10	

Tag	894) ω² Aquarii AR.		894) Dekl.		895) 41 H. Cephei AR.		895) Dekl.		896) Lac. δ Sculptoris AR.		896) Dekl.	
1937	23ʰ 39ᵐ		−14° 53′		23ʰ 44ᵐ		+67° 27′		23ʰ 45ᵐ		−28° 28′	
Jan. 1	28.103	104	35.58	31	53.47	44	49.01	95	39.506	127	47.48	5
11	27.999	92	35.89	13	53.03	42	48.06	149	39.379	112	47.43	36
21	27.907	75	36.02	8	52.61	37	46.57	199	39.267	95	47.07	68
31	27.832	55	35.94	29	52.24	30	44.58	239	39.172	72	46.39	96
Febr. 10	27.777	31	35.65	51	51.94	23	42.19	271	39.100	46	45.43	125
20	27.746	3	35.14	74	51.71	14	39.48	290	39.054	16	44.18	152
März 2	27.743	29	34.40	96	51.57	4	36.58	298	39.038	19	42.66	176
12	27.772	64	33.44	119	51.53	7	33.60	293	39.057	57	40.90	198
22	27.836	101	32.25	142	51.60	17	30.67	277	39.114	97	38.92	216
Apr. 1	27.937	139	30.83	162	51.77	28	27.90	249	39.211	138	36.76	232
11	28.076	178	29.21	180	52.05	38	25.41	213	39.349	179	34.44	241
21	28.254	214	27.41	195	52.43	46	23.28	167	39.528	219	32.03	248
Mai 1	28.468	248	25.46	206	52.89	54	21.61	117	39.747	255	29.55	249
11	28.716	276	23.40	213	53.43	59	20.44	63	40.002	286	27.06	244
21	28.992	297	21.27	214	54.02	64	19.81	6	40.288	312	24.62	233
31	29.289	313	19.13	211	54.66	65	19.75	51	40.600	329	22.29	218
Juni 10	29.602	319	17.02	201	55.31	66	20.26	105	40.929	339	20.11	195
20	29.921	318	15.01	187	55.97	65	21.31	157	41.268	339	18.16	169
30	30.239	308	13.14	168	56.62	61	22.88	205	41.607	331	16.47	138
Juli 10	30.547	290	11.46	145	57.23	57	24.93	247	41.938	313	15.09	103
20	30.837	265	10.01	117	57.80	52	27.40	284	42.251	288	14.06	66
30	31.102	233	8.84	89	58.32	44	30.24	315	42.539	255	13.40	29
Aug. 9	31.335	197	7.95	58	58.76	37	33.39	337	42.794	217	13.11	8
19	31.532	158	7.37	28	59.13	28	36.76	354	43.011	174	13.19	45
29	31.690	116	7.09	2	59.41	20	40.30	362	43.185	129	13.64	78
Sept. 8	31.806	73	7.11	29	17 59.61	12	43.92	364	17 43.314	83	14.42	106
17	16 31.879	34	7.40	52	59.73	2	47.56	357	43.397	38	15.48	130
27	31.913	3	7.92	72	59.75	5	51.13	344	43.435	5	16.78	146
Okt. 7	31.910	36	8.64	87	59.70	14	54.57	322	43.430	42	18.24	156
17	31.874	65	9.51	96	59.56	21	57.79	295	43.388	75	19.80	158
27	31.809	87	10.47	102	59.35	27	60.74	259	43.313	102	21.38	153
Nov. 6	31.722	104	11.49	101	59.08	34	63.33	217	43.211	123	22.91	143
16	31.618	114	12.50	96	58.74	38	65.50	169	43.088	136	24.34	124
26	31.504	121	13.46	87	58.36	43	67.19	116	42.952	144	25.58	103
Dez. 6	31.383	123	14.33	76	57.93	44	68.35	58	42.808	147	26.61	76
16	31.260	120	15.09	61	57.49	47	68.93	1	42.661	144	27.37	47
26	31.140	113	15.70	45	57.02	46	68.92	60	42.517	136	27.84	17
36	31.027		16.15		56.56		68.32		42.381		28.01	
Mittl. Ort	27.398		36.21		53.07		24.13		38.820		43.82	
sec δ, tg δ	1.035		− 0.266		2.608		+ 2.409		1.138		− 0.542	
a, *a′*	+3.1		+20.0		+2.9		+20.0		+3.1		+20.0	
b, *b′*	−0.02		+ 0.09		+0.16		+ 0.07		−0.04		+ 0.06	

Tag	898) φ Pegasi				902) ω Piscium				903) ε Tucanae			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1937	$23^h\ 49^m$		$+18°\ 46'$		$23^h\ 56^m$		$+6°\ 30'$		$23^h\ 56^m$		$-65°\ 55'$	
Jan. 1	$17^s.582$	115	$24''.96$	98	$5^s.317$	106	$60''.07$	80	$39^s.53$	41	$51''.86$	109
11	17.467	105	23.98	113	5.211	97	59.27	81	39.12	37	50.77	163
21	17.362	92	22.85	123	5.114	85	58.46	81	38.75	33	49.14	212
31	17.270	73	21.62	128	5.029	68	57.65	75	38.42	26	47.02	255
Febr. 10	17.197	47	20.34	127	4.961	47	56.90	65	38.16	20	44.47	291
20	17.150	19	19.07	119	4.914	19	56.25	52	37.96	13	41.56	320
März 2	17.131	17	17.88	105	4.895	12	55.73	34	37.83	6	38.36	342
12	17.148	54	16.83	86	4.907	47	55.39	13	37.77	2	34.94	355
22	17.202	96	15.97	60	4.954	86	55.26	13	37.79	11	31.39	363
Apr. 1	17.298	138	15.37	30	5.040	125	55.39	40	37.90	19	27.76	360
11	17.436	179	15.07	3	5.165	166	55.79	68	38.09	27	24.16	352
21	17.615	218	15.10	37	5.331	203	56.47	96	38.36	34	20.64	335
Mai 1	17.833	253	15.47	73	5.534	237	57.43	123	38.70	42	17.29	311
11	18.086	283	16.20	106	5.771	267	58.66	148	39.12	48	14.18	280
21	18.369	305	17.26	137	6.038	291	60.14	169	39.60	53	11.38	244
31	18.674	320	18.63	166	6.329	306	61.83	187	40.13	57	8.94	201
Juni 10	18.994	326	20.29	189	6.635	315	63.70	198	40.70	60	6.93	153
20	19.320	324	22.18	207	6.950	314	65.68	205	41.30	60	5.40	102
30	19.644	313	24.25	220	7.264	306	67.73	207	41.90	60	4.38	48
Juli 10	19.957	295	26.45	227	7.570	289	69.80	203	42.50	57	3.90	6
20	20.252	270	28.72	230	7.859	267	71.83	194	43.07	54	3.96	61
30	20.522	238	31.02	226	8.126	238	73.77	181	43.61	47	4.57	113
Aug. 9	20.760	203	33.28	218	8.364	204	75.58	164	44.08	41	5.70	161
19	20.963	164	35.46	205	8.568	167	77.22	144	44.49	33	7.31	204
29	21.127	124	37.51	189	8.735	129	78.66	123	44.82	23	9.35	239
Sept. 8	21.251	84	39.40	170	8.864	90	79.89	99	45.05	14	11.74	266
18	21.335	46	41.10	148	8.954	53	80.88	76	45.19	4	14.40	282
27	18 21.381	10	42.58	126	20 9.007	17	81.64	52	20 45.23	6	17.22	288
Okt. 7	21.391	22	43.84	102	9.024	13	82.16	31	45.17	15	20.10	282
17	21.369	50	44.86	77	9.011	41	82.47	11	45.02	23	22.92	265
27	21.319	72	45.63	51	8.970	63	82.58	9	44.79	31	25.57	237
Nov. 6	21.247	92	46.14	27	8.907	82	82.49	25	44.48	36	27.94	199
16	21.155	106	46.41	1	8.825	96	82.24	40	44.12	41	29.93	153
26	21.049	116	46.42	23	8.729	105	81.84	53	43.71	44	31.46	101
Dez. 6	20.933	122	46.19	47	8.624	111	81.31	64	43.27	45	32.47	45
16	20.811	124	45.72	70	8.513	114	80.67	72	42.82	44	32.92	14
26	20.687	121	45.02	89	8.399	112	79.95	79	42.38	43	32.78	72
36	20.566		44.13		8.287		79.16		41.95		32.06	
Mittl. Ort	16.785		12.87		4.480		52.23		39.27		40.02	
sec δ, tg δ	1.056		+ 0.340		1.007		+ 0.114		2.452		− 2.238	
a, *a'*	+3.1		+20.0		+3.1		+20.0		+3.1		+20.0	
b, *b'*	+0.02		+ 0.05		+0.01		+ 0.02		−0.15		+ 0.01	

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

Na) 43 Hev. Cephei $4^m.52$

Tag	Januar AR.	Januar Dekl.	Januar ☾ Glieder		Februar AR.	Februar Dekl.	Februar ☾ Glieder		März AR.	März Dekl.	März ☾ Glieder		April AR.	April Dekl.	April ☾ Glieder	
	$0^h\,59^m$	$+85°\,55'$	in $0^s.01$	in $0''.01$	$0^h\,59^m$	$+85°\,55'$	in $0^s.01$	in $0''.01$	$0^h\,59^m$	$+85°\,55'$	in $0^s.01$	in $0''.01$	$0^h\,59^m$	$+85°\,55'$	in $0^s.01$	in $0''.01$
1	$51^s.39$	$39''.67$	−4	+9	$42^s.55$	$38''.94$	−6	−4	$36^s.28$	$33''.43$	−5	−6	$33^s.64$	$24''.22$	+5	−6
2	51.10	39.75	−7	+6	42.28	38.82	−4	−7	36.11	33.17	−2	−7	33.65	23.90	+6	−4
3	50.81	39.82	−8	+2	42.01	38.69	−1	−8	35.95	32.90	+1	−8	33.66	23.59	+7	−1
4	50.53	39.88	−7	−2	41.75	38.55	+2	−8	35.80	32.63	+4	−7	33.68	23.27	+6	+2
5	50.24	39.93	−5	−5	41.49	38.41	+5	−7	35.65	32.36	+6	−6	33.71	22.96	+3	+4
6	49.95	39.98	−3	−7	41.24	38.26	+7	−4	35.50	32.08	+7	−3	33.74	22.65	0	+5
7	49.66	40.02	0	−8	40.98	38.11	+7	−1	35.36	31.80	+7	0	*)33.77	22.34	−4	+5
8	49.38	40.06	+3	−7	40.73	37.95	+7	+2	35.23	31.52	+5	+3	33.81	22.03	−7	+3
9	49.09	40.09	+6	−6	40.48	37.78	+4	+4	35.10	31.24	+2	+5	33.86	21.72	−9	0
10	48.80	40.11	+7	−3	40.23	37.61	+1	+6	34.97	30.96	−1	+6	33.91	21.41	−9	−4
11	48.51	40.12	+7	0	39.99	37.43	−3	+6	34.85	30.67	−5	+5	33.97	21.11	−7	−7
12	48.22	40.13	+6	+3	39.75	37.25	−6	+5	34.74	30.38	−8	+3	34.04	20.80	−3	−8
13	47.93	40.13	+3	+5	39.52	37.07	−9	+1	34.63	30.08	−9	−1	34.11	20.49	+1	−8
14	47.64	40.13	0	+6	39.29	36.88	−9	−2	34.53	29.79	−9	−4	34.19	20.19	+6	−6
15	47.35	40.12	−4	+6	39.06	36.68	−8	−6	34.43	29.49	−6	−7	34.27	19.89	+9	−1
16	47.06	40.10	−8	+3	38.83	36.48	−4	−8	34.34	29.19	−2	−8	34.36	19.59	+10	+3
17	46.77	40.07	−9	0	38.61	36.27	0	−8	34.25	28.89	+3	−7	34.45	19.30	+9	+8
18	46.48	40.04	−9	−4	38.39	36.06	+5	−7	34.17	28.58	+7	−4	34.55	19.00	+6	+11
19	46.19	40.00	−6	−8	38.18	35.84	+8	−3	34.09	28.28	+10	0	34.65	18.71	+2	+12
20	45.91	39.96	−3	−9	37.97	35.62	+10	+2	34.02	27.97	+10	+5	34.76	18.42	−2	+10
21	45.62	39.91	+2	−8	37.76	35.39	+9	+6	33.96	27.66	+8	+9	34.87	18.13	−5	+8
22	45.33	39.85	+6	−6	37.56	35.16	+6	+9	33.90	27.35	+4	+11	34.99	17.84	−7	+4
23	45.04	39.79	+9	−2	37.36	34.92	+2	+11	33.85	27.04	0	+11	35.11	17.56	−8	0
24	44.76	39.72	+10	+3	37.17	34.68	−2	+10	33.80	26.73	−4	+9	35.24	17.28	−6	−3
25	44.48	39.64	+8	+7	36.98	34.44	−5	+8	33.76	26.41	−6	+6	35.38	17.00	−4	−6
26	44.20	39.56	+5	+10	36.80	34.19	−7	+4	33.73	26.10	−8	+2	35.52	16.73	−1	−7
27	43.92	39.47	+1	+11	36.62	33.94	−8	+1	33.70	25.79	−7	−2	35.66	16.46	+2	−8
28	43.64	39.38	−3	+10	36.45	33.69	−7	−3	33.68	25.47	−6	−5	35.81	16.19	+4	−7
29	43.36	39.28	−6	+7	36.28	33.43	−5	−6	33.66	25.16	−3	−7	35.97	15.92	+6	−5
30	43.09	39.17	−8	+3					33.65	24.85	0	−8	36.13	15.66	+7	−2
31	42.82	39.06	−8	−1					33.64	24.53	+3	−8	36.29	15.40	+6	+1
32	42.55	38.94	−6	−4					33.64	24.22	+5	−6				

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+85° 55′ 10″	14.053	+ 14.017	+85° 55′ 20″	14.063	+ 14.027	+85° 55′ 40″	14.082	+ 14.046
20	14.063	+ 14.027	30	14.072	+ 14.037	50	14.091	+ 14.056

$\alpha_{1937.0} = 0^h\,59^m\,45^s.62$ $\delta_{1937.0} = +85°\,55'\,13''.04$

*) Tag der doppelten unteren Kulmination: April 7.

Na) 43 Hev. Cephei $4^{m}.52$

Tag	Mai AR.	Mai Dekl.	Mai ☾ Glieder	Juni AR.	Juni Dekl.	Juni ☾ Glieder	Juli AR.	Juli Dekl.	Juli ☾ Glieder	August AR.	August Dekl.	August ☾ Glieder
	$0^h\ 59^m$	$+85°\ 55'$	in $0.^s01$ | $0.''01$	$0^h\ 59^m$	$+85°\ 55'$	in $0.^s01$ | $0.''01$	$0^h\ 59^m$	$+85°\ 55'$	in $0.^s01$ | $0.''01$	$1^h\ 0^m$	$+85°\ 55'$	in $0.^s01$ | $0.''01$
1	$36.^s29$	$15.''40$	+ 6 + 1	$43.^s47$	$9.''41$	− 5 + 4	$52.^s73$	$8.''30$	−10 − 4	$2.^s33$	$12.''28$	+ 2 − 9
2	36.46	15.14	+ 4 + 3	43.75	9.30	− 8 + 2	53.05	8.35	− 8 − 7	2.62	12.49	+ 6 − 6
3	36.64	14.89	+ 1 + 4	44.04	9.19	−10 − 2	53.37	8.40	− 5 −10	2.90	12.70	+ 9 − 2
4	36.82	14.64	− 2 + 5	44.34	9.08	− 9 − 5	53.69	8.46	0 −10	3.18	12.92	+ 9 + 3
5	37.00	14.40	− 6 + 4	44.63	8.98	− 7 − 8	54.01	8.53	+ 4 − 8	3.46	13.14	+ 7 + 7
6	37.19	14.16	− 9 + 1	44.92	8.89	− 3 −10	54.33	8.60	+ 8 − 4	3.74	13.37	+ 4 +10
7	37.39	13.92	−10 − 3	45.22	8.80	+ 2 − 9	54.65	8.68	+ 9 + 1	4.02	13.60	0 +10
8	37.59	13.69	− 9 − 6	45.52	8.71	+ 6 − 6	54.97	8.76	+ 9 + 5	4.29	13.83	− 4 + 9
9	37.79	13.46	− 5 − 9	45.81	8.63	+ 9 − 2	55.29	8.85	+ 7 + 9	4.56	14.07	− 6 + 6
10	37.99	13.23	− 1 − 9	46.11	8.56	+10 + 3	55.61	8.94	+ 3 +11	4.82	14.31	− 7 + 3
11	38.20	13.01	+ 4 − 7	46.42	8.49	+ 8 + 8	55.93	9.04	− 1 +11	5.08	14.55	− 7 − 1
12	38.42	12.79	+ 8 − 4	46.73	8.43	+ 5 +11	56.25	9.14	− 5 + 9	5.34	14.80	− 5 − 4
13	38.64	12.58	+10 + 1	47.03	8.37	+ 1 +12	56.56	9.25	− 7 + 5	5.60	15.05	− 2 − 6
14	38.86	12.37	+10 + 6	47.34	8.32	− 3 +11	56.88	9.37	− 7 + 1	5.86	15.31	+ 1 − 7
15.	39.09	12.17	+ 8 +10	47.65	8.27	− 6 + 8	57.20	9.49	− 6 − 2	6.11	15.57	+ 3 − 6
16	39.32	11.97	+ 4 +12	47.96	8.23	− 7 + 4	57.51	9.61	− 4 − 5	6.36	15.84	+ 6 − 5
17	39.56	11.77	0 +12	48.27	8.19	− 7 0	57.82	9.74	− 1 − 6	6.61	16.11	+ 7 − 2
18	39.80	11.58	− 4 + 9	48.59	8.16	− 6 − 3	58.13	9.88	+ 2 − 6	6.85	16.39	+ 7 0
19	40.04	11.39	− 6 + 6	48.90	8.14	− 3 − 6	58.44	10.02	+ 4 − 6	7.09	16.67	+ 6 + 3
20	40.28	11.21	− 7 + 2	49.21	8.12	0 − 7	58.75	10.16	+ 6 − 4	7.33	16.95	+ 3 + 5
21	40.53	11.03	− 7 − 2	49.53	8.11	+ 3 − 7	59.06	10.31	+ 7 − 1	7.57	17.23	0 + 6
22	40.78	10.86	− 5 − 5	49.85	8.10	+ 5 − 5	59.37	10.46	+ 7 + 1	7.80	17.52	− 3 + 5
23	41.04	10.69	− 2 − 7	50.17	8.10	+ 7 − 3	59.67	10.62	+ 5 + 4	8.03	17.81	− 7 + 3
24	41.30	10.53	+ 1 − 7	50.49	8.11	+ 7 − 1	59.97	10.79	+ 2 + 5	8.25	18.11	− 9 0
25	41.56	10.37	+ 4 − 7	50.81	8.12	+ 6 + 2	60.27	10.96	− 1 + 6	8.47	18.41	− 9 − 3
26	41.82	10.22	+ 6 − 5	51.13	8.13	+ 4 + 4	60.57	11.13	− 5 + 5	8.69	18.71	− 7 − 7
27	42.09	10.07	+ 7 − 3	51.45	8.15	+ 1 + 5	60.87	11.31	− 8 + 2	8.91	19.01	− 4 − 9
28	42.36	9.93	+ 7 0	51.77	8.18	− 3 + 5	61.17	11.50	− 9 − 2	9.12	19.32	0 − 9
29	42.63	9.79	+ 5 + 2	52.09	8.21	− 7 + 3	61.46	11.69	− 9 − 5	9.33	19.63	+ 5 − 7
30	42.91	9.66	+ 3 + 4	52.41	8.25	− 9 0	61.75	11.88	− 6 − 8	9.53	19.95	+ 8 − 3
31	43.19	9.53	− 1 + 5	52.73	8.30	−10 − 4	62.04	12.08	− 2 −10	9.73	20.27	+ 9 + 1
32	43.47	9.41	− 5 + 4				62.33	12.28	+ 2 − 9	9.93	20.59	+ 8 + 6

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+85° 55′ 0″	14.043	+ 14.008	+85° 55′ 10″	14.053	+ 14.017	+85° 55′ 20″	14.063	+ 14.027
10	14.053	+ 14.017	20	14.063	+ 14.027	30	14.072	+ 14.037

$\alpha_{1937.0} = 0^h\ 59^m\ 45.^s62$ $\qquad$ $\delta_{1937.0} = +85°\ 55'\ 13.''04$

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

Na) 43 Hev. Cephei $4^m.52$

Tag	September				Oktober				November				Dezember			
	AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder	
	$1^h\ 0^m$	+85° 55′	in $0^s.01$	in $0''.01$	$1^h\ 0^m$	+85° 55′	in $0^s.01$	in $0''.01$	$1^h\ 0^m$	+85° 55′	in $0^s.01$	in $0''.01$	$1^h\ 0^m$	+85° 55′	in $0^s.01$	in $0''.01$
1	$9^s.93$	$20''.59$	+8	+6	$14^s.03$	$31''.20$	−1	+10	$14^s.00$	$43''.11$	−6	−4	$9^s.73$	$52''.40$	+2	−6
2	10.12	20.91	+6	+9	14.10	31.58	−4	+9	13.92	43.46	−3	−6	9.52	52.65	+5	−5
3	10.31	21.24	+2	+10	14.17	31.95	−7	+5	13.84	43.81	0	−7	9.31	52.90	+6	−3
4	10.50	21.57	−2	+10	14.23	32.33	−8	+1	13.76	44.16	+3	−6	9.10	53.14	+7	−1
5	10.68	21.90	−6	+7	14.29	32.71	−7	−2	13.67	44.51	+5	−5	8.88	53.38	+6	+1
6	10.86	22.23	−7	+4	14.34 / 14.39	33.09 / 33.46	−5 / −2	−5 / −6	13.57	44.86	+7	−3	8.66	53.61	+4	+3
7	11.04	22.57	−7	0	14.43	33.84	+1	−7	13.47	45.20	+7	0	8.44	53.84	+2	+5
8	11.21	22.91	−6	−3	14.47	34.22	+4	−6	13.36	45.54	+6	+2	8.21	54.06	−2	+5
9	11.38	23.25	−4	−6	14.50	34.60	+6	−4	13.25	45.87	+3	+4	7.98	54.27	−5	+3
10	11.55	23.59	0	−7	14.53	34.98	+7	−2	13.14	46.20	+1	+5	7.75	54.48	−8	+1
11	11.71	23.94	+2	−7	14.55	35.35	+7	0	13.02	46.53	−3	+4	7.51	54.69	−9	−3
12	11.86	24.29	+5	−6	14.57	35.73	+5	+3	12.89	46.86	−6	+2	7.27	54.89	−9	−6
13	12.01	24.64	+7	−3	14.59	36.11	+3	+4	12.76	47.18	−9	0	7.03	55.08	−7	−9
14	12.16	24.99	+7	−1	14.60	36.49	−1	+5	12.63	47.50	−9	−4	6.78	55.27	−3	−10
15	12.31	25.34	+6	+1	14.61	36.86	−4	+4	12.50	47.82	−8	−7	6.53	55.46	+1	−9
16	12.45	25.69	+4	+4	14.61	37.24	−7	+2	12.36	48.14	−5	−9	6.28	55.64	+6	−6
17	12.58	26.05	+1	+5	14.61	37.61	−9	−1	12.21	48.45	−1	−9	6.03	55.81	+8	−2
18	12.71	26.41	−2	+5	14.60	37.99	−9	−4	12.06	48.76	+4	−8	5.77	55.98	+9	+3
19	12.84	26.77	−5	+4	14.59	38.37	−7	−7	11.91	49.06	+7	−4	5.51	56.14	+8	+7
20	12.96	27.13	−8	+1	14.57	38.74	−3	−9	11.75	49.36	+9	+1	5.25	56.29	+5	+10
21	13.08	27.50	−9	−2	14.55	39.11	+1	−8	11.59	49.66	+9	+6	4.99	56.44	0	+11
22	13.20	27.86	−8	−5	14.52	39.48	+6	−6	11.42	49.95	+7	+9	4.72	56.58	−3	+10
23	13.31	28.23	−5	−8	14.49	39.85	+9	−2	11.25	50.24	+3	+11	4.45	56.71	−6	+7
24	13.42	28.60	−1	−9	14.45	40.22	+10	+3	11.07	50.53	−1	+11	4.18	56.84	−7	+3
25	13.52	28.96	+3	−8	14.41	40.58	+8	+7	10.89	50.81	−4	+9	3.91	56.97	−7	0
26	13.62	29.33	+7	−4	14.37	40.95	+5	+10	10.71	51.09	−7	+5	3.64	57.09	−5	−3
27	13.71	29.70	+9	0	14.32	41.32	+1	+11	10.52	51.36	−7	+1	3.36	57.20	−2	−5
28	13.80	30.07	+9	+4	14.27	41.68	−3	+10	10.33	51.63	−6	−2	3.08	57.31	+1	−6
29	13.88	30.45	+7	+8	14.21	42.04	−6	+7	10.13	51.89	−4	−5	2.80	57.41	+4	−5
30	13.96	30.83	+3	+10	14.15	42.40	−7	+3	9.93	52.15	−1	−6	2.52	57.50	+6	−4
31	14.03	31.20	−1	+10	14.08	42.76	−7	−1	9.73	52.40	+2	−6	2.23	57.59	+7	−1
32					14.00	43.11	−6	−4					1.95	57.67	+7	+1

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+85° 55′ 20″	14.063	+ 14.027	+85° 55′ 40″	14.082	+ 14.046	+85° 55′ 50″	14.091	+ 14.056
30	14.072	+ 14.037	50	14.091	+ 14.056	60	14.101	+ 14.066

$\alpha_{1937.0} = 0^h\ 59^m\ 45^s.62$ $\delta_{1937.0} = +85°\ 55'\ 13''.04$

Nb) α Ursae minoris $2^m.12$

Tag	Januar AR.	Januar Dekl.	Januar ☾ Glieder	Februar AR.	Februar Dekl.	Februar ☾ Glieder	März AR.	März Dekl.	März ☾ Glieder	April AR.	April Dekl.	April ☾ Glieder
	$1^h 40^m$	+88° 58′	in 0.01s | 0.01″	$1^h 40^m$	+88° 58′	in 0.01s | 0.01″	$1^h 40^m$	+88° 58′	in 0.01s | 0.01″	$1^h 40^m$	+88° 57′	in 0.01s | 0.01″
1	84.80	15.55	−14 +10	49.20	16.78	−25 − 3	20.64	12.67	−20 − 5	3.91	64.12	+18 − 7
2	83.71	15.69	−23 + 7	48.06	16.71	−16 − 6	19.81	12.45	−10 − 7	3.71	63.81	+24 − 5
3	82.62	15.82	−28 + 3	46.92	16.64	− 5 − 8	18.99	12.22	+ 2 − 8	3.54	63.50	+26 − 2
4	81.53	15.94	−27 − 1	45.79	16.56	+ 5 − 8	18.19	11.99	+13 − 8	3.38	63.18	+22 + 1
5	80.42	16.06	−21 − 4	44.66	16.47	+16 − 8	17.42	11.75	+21 − 7	3.25	62.87	+13 + 3
6	79.31	16.17	−12 − 7	43.54	16.38	+24 − 6	16.66	11.51	+25 − 4	3.15	62.55	+ 1 + 5
7	78.19	16.28	− 1 − 8	42.43	16.28	+27 − 3	15.91	11.26	+25 − 1	3.06	62.24	−13 + 5
8	77.06	16.38	+10 − 8	41.32	16.18	+25 + 1	15.19	11.01	+20 + 2	3.00	61.93	−27 + 4
9	75.93	16.47	+20 − 7	40.22	16.07	+17 + 4	14.48	10.76	+10 + 5	2.97	61.61	−35 + 1
10	74.79	16.56	+26 − 4	39.13	15.95	+ 5 + 6	13.79	10.50	− 4 + 6	2.95	61.30	−36 − 2
11	73.65	16.64	+28 − 1	38.05	15.83	− 9 + 7	13.13	10.24	−18 + 6	2.96	60.98	−29 − 5
12	72.50	16.71	+23 + 2	36.98	15.70	−23 + 6	12.48	9.98	−30 + 4	2.99	60.67	−15 − 8
13	71.35	16.78	+13 + 5	35.92	15.57	−33 + 3	11.85	9.71	−35 + 1	3.04	60.36	+ 3 − 8
14	70.19	16.84	0 + 6	34.87	15.43	−35 − 1	11.24	9.44	−33 − 3	3.12	60.04	+21 − 6
15	69.03	16.89	−15 + 6	33.83	15.29	−30 − 5	10.65	9.17	−23 − 6	3.22	59.73	+34 − 3
16	67.86	16.94	−28 + 4	32.80	15.14	−17 − 8	10.09	8.89	− 7 − 8	3.34	59.41	+39 + 2
17	66.69	16.98	−36 + 1	31.79	14.98	0 − 9	9.54	8.61	+11 − 8	*)3.48	59.10	+36 + 6
18	65.52	17.01	−36 − 3	30.78	14.82	+17 − 7	9.01	8.32	+27 − 5	3.65	58.79	+25 +10
19	64.35	17.03	−26 − 6	29.79	14.65	+31 − 4	8.50	8.03	+37 − 1	3.83	58.47	+11 +11
20	63.18	17.05	−12 − 9	28.82	14.47	+37 0	8.02	7.75	+39 + 3	4.04	58.16	− 6 +11
21	62.01	17.06	+ 7 − 9	27.85	14.29	+36 + 4	7.55	7.46	+32 + 7	4.28	57.86	−19 + 9
22	60.84	17.07	+23 − 7	26.90	14.11	+26 + 8	7.11	7.16	+19 +10	4.53	57.55	−27 + 5
23	59.67	17.07	+34 − 3	25.96	13.92	+12 +10	6.69	6.87	+ 3 +11	4.81	57.24	−29 + 1
24	58.50	17.06	+38 + 1	25.04	13.73	− 4 +10	6.29	6.57	−12 +10	5.10	56.94	−25 − 2
25	57.33	17.05	+33 + 6	24.13	13.53	−17 + 9	5.92	6.27	−23 + 7	5.42	56.64	−17 − 5
26	56.16	17.03	+21 + 9	23.23	13.32	−26 + 6	5.56	5.97	−29 + 3	5.77	56.34	− 6 − 7
27	55.00	17.01	+ 6 +11	22.35	13.11	−29 + 2	5.23	5.67	−29 0	6.13	56.04	+ 5 − 8
28	53.83	16.98	− 9 +10	21.49	12.89	−27 − 2	4.92	5.36	−22 − 4	6.52	55.74	+15 − 7
29	52.67	16.94	−21 + 8	20.64	12.67	−20 − 5	4.63	5.05	−13 − 7	6.92	55.45	+23 − 6
30	51.51	16.89	−28 + 4				4.37	4.75	− 2 − 8	7.35	55.16	+26 − 3
31	50.35	16.84	−29 + 1				4.13	4.44	+ 9 − 8	7.79	54.87	+24 0
32	49.20	16.78	−25 − 3				3.91	4.12	+18 − 7			

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+88° 57′ 50″	55.302	+ 55.293	+88° 58′ 0″	55.451	+ 55.442	+88° 58′ 10″	55.600	+ 55.591
60	55.451	+ 55.442	10	55.600	+ 55.591	20	55.750	+ 55.741

$\alpha_{1937.0} = 1^h\ 40^m\ 47^s.80$ $\delta_{1937.0} = +88°\ 57'\ 50''.12$

*) Tag der doppelten unteren Kulmination: April 17.

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

Nb) α Ursae minoris $2^m.12$

Tag	Mai				Juni				Juli				August			
	AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder	
	$1^h 40^m$	$+88° 57'$	in $0^s.01$	in $0''.01$	$1^h 40^m$	$+88° 57'$	in $0^s.01$	in $0''.01$	$1^h 41^m$	$+88° 57'$	in $0^s.01$	in $0''.01$	$1^h 41^m$	$+88° 57'$	in $0^s.01$	in $0''.01$
1	$7^s.79$	$54''.87$	+24	0	$30^s.75$	$47''.48$	−17	+5	$4^s.74$	$44''.48$	−37	−2	$43^s.44$	$46''.42$	+6	−9
2	8.26	54.58	+17	+2	31.74	47.31	−29	+3	5.98	44.46	−32	−6	44.66	46.56	+22	−7
3	8.75	54.30	+6	+4	32.75	47.14	−37	0	7.22	44.45	−21	−9	45.87	46.71	+33	−3
4	9.26	54.01	−9	+5	33.76	46.98	−37	−4	8.46	44.44	−4	−10	47.07	46.87	+35	+1
5	9.79	53.73	−22	+4	34.79	46.82	−29	−7	9.71	44.44	+13	−9	48.27	47.03	+30	+6
6	10.34	53.46	−33	+2	35.83	46.66	−14	−9	10.96	44.45	+28	−6	49.46	47.20	+17	+10
7	10.91	53.18	−37	−1	36.88	46.51	+4	−9	12.21	44.46	+35	−1	50.64	47.37	+2	+11
8	11.50	52.91	−34	−5	37.95	46.37	+21	−7	13.47	44.47	+35	+4	51.82	47.55	−12	+10
9	12.10	52.64	−22	−8	39.02	46.23	+34	−3	14.72	44.49	+26	+8	52.99	47.73	−23	+7
10	12.73	52.37	−5	−9	40.11	46.10	+38	+2	15.98	44.52	+13	+10	54.16	47.91	−28	+4
11	13.37	52.11	+13	−8	41.20	45.97	+34	+6	17.24	44.55	−2	+11	55.32	48.10	−27	0
12	14.03	51.85	+29	−5	42.30	45.84	+22	+10	18.50	44.58	−16	+10	56.47	48.29	−20	−3
13	14.71	51.59	+37	−1	43.41	45.72	+7	+11	19.76	44.62	−25	+7	57.62	48.49	−10	−5
14	15.40	51.34	+38	+4	44.54	45.61	−8	+11	21.02	44.67	−27	+3	58.75	48.69	+1	−7
15	16.12	51.09	+31	+8	45.67	45.50	−19	+9	22.28	44.72	−24	−1	59.88	48.90	+12	−7
16	16.85	50.85	+17	+11	46.81	45.40	−26	+5	23.54	44.78	−16	−4	61.00	49.11	+20	−6
17	17.60	50.61	+1	+12	47.96	45.30	−27	+1	24.80	44.84	−6	−6	62.11	49.33	+25	−4
18	18.37	50.37	−13	+10	49.11	45.21	−22	−2	26.06	44.91	+6	−7	63.22	49.55	+26	−1
19	19.16	50.14	−23	+7	50.28	45.12	−13	−5	27.32	44.98	+16	−7	64.31	49.77	+22	+2
20	19.96	49.91	−27	+3	51.45	45.04	−1	−7	28.58	45.06	+24	−5	65.40	50.00	+14	+4
21	20.78	49.68	−26	−1	52.63	44.96	+9	−7	29.83	45.15	+27	−3	66.48	50.23	+2	+6
22	21.61	49.46	−19	−4	53.82	44.89	+19	−6	31.08	45.24	+26	0	67.55	50.47	−12	+6
23	22.46	49.24	−10	−6	55.01	44.82	+24	−4	32.33	45.33	+20	+3	68.60	50.71	−24	+5
24	23.32	49.03	+2	−7	56.21	44.76	+27	−2	33.57	45.43	+10	+5	69.65	50.95	−32	+2
25	24.20	48.82	+12	−7	57.41	44.70	+24	+1	34.82	45.54	−4	+6	70.69	51.20	−34	−2
26	25.09	48.62	+21	−6	58.62	44.65	+16	+4	36.06	45.65	−17	+5	71.72	51.45	−29	−5
27	26.00	48.42	+25	−4	59.84	44.60	+4	+6	37.30	45.76	−29	+3	72.73	51.71	−17	−8
28	26.92	48.22	+26	−1	61.06	44.56	−11	+6	38.54	45.88	−36	0	73.74	51.97	0	−9
29	27.86	48.03	+21	+2	62.28	44.53	−24	+5	39.77	46.01	−35	−4	74.73	52.24	+17	−8
30	28.81	47.84	+11	+4	63.51	44.50	−34	+2	41.00	46.14	−26	−7	75.71	52.51	+30	−5
31	29.77	47.66	−2	+5	64.74	44.48	−37	−2	42.22	46.28	−11	−9	76.68	52.78	+35	0
32	30.75	47.48	−17	+5					43.44	46.42	+6	−9	77.64	53.05	+33	+4

δ	sec δ	tg δ	δ	sec δ	tg δ
+88° 57′ 40″	55.154	+55.145	+88° 57′ 50″	55.302	+55.293
50	55.302	+55.293	60	55.451	+55.442

$\alpha_{1937.0} = 1^h\ 40^m\ 47^s.80$ $\delta_{1937.0} = +88°\ 57'\ 50''.12$

Nb) α Ursae minoris $2^{m}.12$

Tag	September				Oktober				November				Dezember			
	AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder	
	$1^h 42^m$	+88° 57′	in $0^s.01$	in $0''.01$	$1^h 42^m$	+88° 58′	in $0^s.01$	in $0''.01$	$1^h 42^m$	+88° 58′	in $0^s.01$	in $0''.01$	$1^h 42^m$	+88° 58′	in $0^s.01$	in $0''.01$
1	$17^s.64$	$53''.05$	+33	+ 4	$40^s.19$	$2''.72$	0	+10	$47^s.73$	$14''.58$	−21	− 3	$36^s.90$	$24''.81$	+ 8	− 7
2	18.59	53.33	+23	+ 8	40.71	3.08	−15	+ 9	47.65	14.95	−11	− 6	36.25	25.11	+17	− 6
3	19.53	53.61	+ 9	+10	41.21	3.44	−25	+ 6	47.55	15.32	0	− 7	35.58	25.40	+24	− 4
4	20.45	53.90	− 7	+10	41.69	3.80	−28	+ 3	47.44	15.69	+11	− 7	34.89	25.69	+26	− 2
5	21.36	54.19	−20	+ 8	42.15	4.16	−26	− 1	47.30	16.05	+20	− 6	34.19	25.97	+25	0
6	22.26	54.48	−27	+ 5	42.60	4.53	−18	− 4	47.15	16.42	+25	− 4	33.46	26.25	+18	+ 3
7	23.15	54.78	−28	+ 1	43.03	4.89	− 8	− 6	46.97	16.78	+26	− 1	32.72	26.53	+ 8	+ 4
8	24.03	55.08	−23	− 2	43.44	5.26	+ 3	− 7	46.78	17.14	+22	+ 1	31.96	26.80	− 6	+ 5
9	24.89	55.38	−14	− 5	43.83	5.63	+14	− 7	46.56	17.50	+14	+ 3	31.18	27.07	−19	+ 4
10	25.74	55.68	− 3	− 7	44.21	6.00	+22	− 5	46.33	17.86	+ 3	+ 5	30.39	27.33	−30	+ 2
11	26.58	55.99	+ 8	− 7	44.56	6.37	+25	− 3	46.07	18.22	−11	+ 5	29.58	27.59	−36	− 2
12	27.40	56.30	+18	− 6	44.90	6.74	+25	− 1	45.80	18.57	−24	+ 4	28.76	27.84	−36	− 5
13	28.21	56.62	+24	− 4	45.23	7.11	+20	+ 2	45.50	18.92	−33	+ 1	27.92	28.09	−27	− 8
14	29.00	56.94	+26	− 2	45.53	7.48	+10	+ 4	45.19	19.27	−36	− 2	27.07	28.33	−13	−10
15	29.78	57.26	+24	0	45.82	7.85	− 2	+ 5	44.85	19.62	−33	− 6	26.20	28.57	+ 3	−10
16	30.54	57.59	+17	+ 3	46.08	8.23	−15	+ 5	44.50	19.97	−21	− 8	25.32	28.80	+20	− 7
17	31.29	57.91	+ 6	+ 5	46.33 46.57	8.60 8.98	−27 −34	+3 0	44.12	20.31	− 5	− 9	24.42	29.03	+32	− 3
18	32.03	58.24	− 7	+ 6	46.78	9.35	−34	− 3	43.73	20.65	+13	− 8	23.51	29.25	+35	+ 1
19	32.75	58.57	−20	+ 5	46.98	9.73	−27	− 6	43.32	20.99	+27	− 5	22.58	29.47	+30	+ 6
20	33.46	58.90	−31	+ 3	47.15	10.10	−14	− 8	42.90	21.32	+35	− 1	21.64	29.68	+20	+10
21	34.15	59.24	−35	0	47.31	10.48	+ 3	− 9	42.45	21.66	+35	+ 4	20.69	29.89	+ 5	+11
22	34.83	59.58	−32	− 4	47.44	10.85	+20	− 7	41.98	21.99	+27	+ 8	19.72	30.09	−10	+11
23	35.49	59.92	−22	− 7	47.56	11.23	+32	− 3	41.49	22.32	+14	+11	18.74	30.29	−21	+ 8
24	36.13	60.26	− 6	− 8	47.66	11.60	+37	+ 1	40.98	22.64	− 1	+11	17.75	30.48	−26	+ 5
25	36.76	60.61	+10	− 8	47.74	11.98	+33	+ 6	40.46	22.96	−15	+10	16.74	30.67	−25	+ 1
26	37.37	60.95	+26	− 6	47.79	12.35	+22	+10	39.91	23.28	−24	+ 7	15.73	30.85	−18	− 2
27	37.97	61.30	+34	− 2	47.83	12.73	+ 7	+11	39.34	23.59	−26	+ 3	14.70	31.02	− 7	+ 5
28	38.55	61.66	+36	+ 3	47.85	13.10	− 9	+11	38.76	23.90	−23	− 1	13.66	31.19	+ 4	− 6
29	39.11	62.01	+29	+ 7	47.85	13.47	−21	+ 8	38.16	24.21	−14	− 4	12.61	31.35	+15	− 6
30	39.66	62.36	+15	+10	47.83	13.84	−27	+ 5	37.54	24.51	− 3	− 6	11.56	31.50	+23	− 5
31	40.19	62.72	0	+10	47.79	14.21	−27	+ 1	36.90	24.81	+ 8	− 7	10.49	31.65	+26	− 3
32					47.73	14.58	−21	− 3					9.41	31.79	+26	0

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+88° 57′ 50″	55.302	+ 55.293	+88° 58′ 10″	55.600	+ 55.591	+88° 58′ 30″	55.901	+ 55.892
60	55.451	+ 55.442	20	55.750	+ 55.741	40	56.053	+ 56.044

$\alpha_{1937.0} = 1^h\ 40^m\ 47^s.80$ $\delta_{1937.0} = +88°\ 57'\ 50''.12$

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

Nc) Grb 750 $6^m.70$

Tag	Januar AR.	Januar Dekl.	Januar ☾ Glieder	Februar AR.	Februar Dekl.	Februar ☾ Glieder	März AR.	März Dekl.	März ☾ Glieder	April AR.	April Dekl.	April ☾ Glieder
	$4^h 16^m$	+85° 23′	in $0^s.01$ | $0''.01$	$4^h 16^m$	+85° 23′	in $0^s.01$ | $0''.01$	$4^h 15^m$	+85° 23′	in $0^s.01$ | $0''.01$	$4^h 15^m$	+85° 23′	in $0^s.01$ | $0''.01$
1	$19^s.11$	$24''.46$	+ 3 +10	$13^s.81$	$31''.19$	− 7 + 1	$66^s.88$	$32''.69$	− 7 − 1	$59^s.66$	$28''.91$	− 1 − 9
2	19.00	24.74	0 + 9	13.58	31.33	− 7 − 2	66.63	32.66	− 6 − 4	59.47	28.70	+ 1 − 8
3	18.89	25.02	− 3 + 7	13.35	31.46	− 6 − 6	66.37	32.62	− 5 − 7	59.28	28.49	+ 4 − 6
4	18.77	25.30	− 6 + 3	13.12	31.58	− 4 − 8	66.12	32.57	− 2 − 9	59.10	28.28	+ 5 − 3
5	18.65	25.57	− 7 0	12.89	31.70	− 1 − 9	65.86	32.52	0 − 9	58.92	28.06	+ 5 + 1
6	18.52	25.84	− 6 − 4	12.65	31.81	+ 1 − 8	65.61	32.46	+ 2 − 8	58.74	27.84	+ 3 + 4
7	18.39	26.10	− 5 − 7	12.42	31.91	+ 4 − 6	65.36	32.39	+ 4 − 5	58.57	27.61	+ 1 + 7
8	18.25	26.36	− 3 − 8	12.18	32.01	+ 5 − 3	65.11	32.32	+ 5 − 1	58.40	27.38	− 3 + 8
9	18.11	26.61	0 − 9	11.94	32.11	+ 6 + 1	64.86	32.24	+ 5 + 3	58.23	27.15	− 6 + 7
10	17.96	26.86	+ 2 − 8	11.70	32.20	+ 5 + 4	64.61	32.16	+ 3 + 6	58.07	26.91	− 8 + 4
11	17.81	27.11	+ 5 − 5	11.45	32.28	+ 2 + 7	64.36	32.07	0 + 8	57.91	26.67	− 9 0
12	17.66	27.35	+ 6 − 2	11.20	32.35	− 1 + 8	64.12	31.97	− 4 + 8	57.75	26.42	− 8 − 4
13	17.50	27.59	+ 5 + 2	10.96	32.42	− 5 + 8	63.87	31.87	− 6 + 6	57.60	26.17	− 4 − 7
14	17.34	27.82	+ 4 + 5	10.71	32.48	− 7 + 5	63.63	31.76	− 8 + 3	57.45	25.92	0 − 9
15	17.17	28.05	+ 1 + 8	10.46	32.54	− 8 + 1	63.39	31.65	− 8 − 2	57.31	25.66	+ 5 − 8
16	17.00	28.28	− 3 + 8	10.21	32.59	− 8 − 3	63.15	31.53	− 6 − 6	57.17	25.40	+ 9 − 5
17	16.83	28.50	− 6 + 7	9.96	32.64	− 5 − 7	62.92	31.41	− 2 − 8	57.04	25.14	+11 − 1
18	16.65	28.71	− 9 + 3	9.70	32.68	− 1 − 9	62.68	31.28	+ 2 − 9	56.91	24.87	+11 + 4
19	16.47	28.92	− 9 − 1	9.45	32.71	+ 4 − 9	62.45	31.14	+ 6 − 7	56.79	24.60	+ 9 + 8
20	16.29	29.13	− 7 − 5	9.20	32.74	+ 7 − 6	62.22	31.00	+ 9 − 4	56.67	24.33	+ 5 +10
21	16.10	29.33	− 4 − 8	8.94	32.76	+10 − 2	61.99	30.85	+10 + 1	56.55	24.06	+ 2 +10
22	15.91	29.52	0 − 9	8.68	32.77	+10 + 3	61.76	30.70	+10 + 5	56.44	23.79	− 2 + 9
23	15.71	29.71	+ 5 − 8	8.42	32.78	+ 9 + 7	61.54	30.54	+ 7 + 8	56.33	23.51	− 5 + 6
24	15.51	29.89	+ 8 − 5	8.17	32.78	+ 6 + 9	61.32	30.38	+ 3 +10	56.23	23.23	− 6 + 2
25	15.31	30.07	+10 0	7.91	32.77	+ 2 +10	61.10	30.22	0 + 9	56.13	22.95	− 6 − 2
26	15.10	30.25	+10 + 4	7.65	32.76	− 2 + 9	60.89	30.05	− 3 + 7	56.04	22.67	− 5 − 5
27	14.89	30.42	+ 8 + 8	7.39	32.74	− 4 + 6	60.68	29.87	− 6 + 4	55.95	22.38	− 4 − 7
28	14.68	30.58	+ 4 +10	7.14	32.72	− 6 + 3	60.47	29.69	− 7 0	55.87	22.09	− 1 − 9
29	14.47	30.74	+ 1 +10	6.88	32.69	− 7 − 1	60.26	29.50	− 6 − 3	55.79	21.80	+ 1 − 8
30	14.25	30.90	− 3 + 8				60.06	29.31	− 5 − 6	55.72	21.51	+ 3 − 7
31	14.03	31.05	− 5 + 5				59.86	29.11	− 3 − 8	55.66	21.22	+ 4 − 4
32	13.81	31.19	− 7 + 1				59.66	28.91	− 1 − 9			

δ	sec δ	tg δ	δ	sec δ	tg δ
+85° 23′ 20″	12.439	+ 12.399	+85° 23′ 30″	12.446	+ 12.406
30	12.446	+ 12.406	40	12.454	+ 12.414

$\alpha_{1937.0} = 4^h\ 15^m\ 58^s.55$ $\delta_{1937.0} = +85°\ 23'\ 10''.82$

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

Nc) Grb 750 $6^m.70$

Tag	Mai			Juni			Juli			August		
	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder	AR.	Dekl.	☾ Glieder
	$4^h 15^m$	$+85° 23'$	in $0^s.01$ | $0''.01$	$4^h 15^m$	$+85° 23'$	in $0^s.01$ | $0''.01$	$4^h 16^m$	$+85° 22'$	in $0^s.01$ | $0''.01$	$4^h 16^m$	$+85° 22'$	in $0^s.01$ | $0''.01$
1	$55^s.66$	$21''.22$	+ 4 − 4	$56^s.04$	$11''.87$	0 + 7	$0^s.68$	$64''.11$	− 9 + 4	$8^s.70$	$59''.39$	−4 − 9
2	55.60	20.92	+ 5 − 1	56.13	11.58	− 4 + 7	0.89	63.90	−10 0	8.99	59.31	0 − 9
3	55.54	20.62	+ 4 + 3	56.22	11.29	− 7 + 6	1.11	63.69	− 9 − 4	9.29	59.24	+5 − 8
4	55.49	20.33	+ 1 + 6	56.32	11.00	− 9 + 3	1.33	63.49	− 6 − 8	9.59	59.17	+8 − 4
5	55.44	20.03	− 2 + 7	56.43	10.71	−10 − 1	1.56	63.29	− 2 − 9	9.89	59.10	+9 0
6	55.40	19.73	− 5 + 7	56.54	10.43	− 8 − 5	1.79	63.09	+ 2 − 9	10.19	59.03	+9 + 5
7	55.36	19.43	− 8 + 5	56.65	10.14	− 5 − 8	2.02	62.89	+ 6 − 6	10.49	58.97	+7 + 8
8	55.33	19.13	− 9 + 1	56.77	9.86	0 − 9	2.25	62.70	+ 9 − 2	10.79	58.92	+4 +10
9	55.30	18.82	− 9 − 3	56.90	9.58	+ 5 − 8	2.49	62.51	+10 + 2	11.10	58.87	0 + 9
10	55.28	18.52	− 6 − 7	57.03	9.30	+ 8 − 4	2.73	62.33	+ 9 + 7	11.40	58.82	−3 + 7
11	55.26	18.22	− 2 − 9	57.16	9.03	+10 0	2.98	62.15	+ 6 + 9	11.71	58.78	−5 + 4
12	55.25	17.91	+ 3 − 9	57.30	8.76	+10 + 5	3.23	61.98	+ 3 +10	12.02	58.75	−6 0
13	55.24	17.60	+ 7 − 6	57.44	8.49	+ 8 + 8	3.48	61.81	− 1 + 9	12.33	58.72	−5 − 3
14	55.24	17.30	+10 − 2	57.58	8.22	+ 5 +10	3.73	61.65	− 4 + 6	12.64	58.69	−4 − 6
15	55.24	16.99	+11 + 2	57.73	7.95	+ 2 +10	3.98	61.49	− 5 + 3	12.95	58.67	−2 − 7
16	55.25	16.69	+10 + 6	57.89	7.69	− 2 + 8	4.24	61.33	− 6 − 1	13.26	58.65	0 − 8
17	55.26	16.38	+ 7 + 9	58.05	7.43	− 5 + 5	4.50	61.18	− 5 − 4	13.57	58.64	+3 − 7
18	55.28	16.08	+ 4 +10	58.21	7.17	− 6 + 1	4.76	61.03	− 3 − 7	13.88	58.63	+5 − 5
19	55.30	15.77	0 + 9	58.37	6.92	− 6 − 2	5.03	60.88	− 1 − 8	14.19	58.63	+5 − 2
20	55.33	15.47	− 3 + 7	58.54	6.67	− 4 − 5	5.30	60.74	+ 1 − 8	14.50	58.63	+5 + 2
21	55.36	15.16	− 5 + 4	58.72	6.42	− 3 − 7	5.57	60.60	+ 4 − 6	14.82	58.64	+4 + 5
22	55.40	14.86	− 6 0	58.90	6.17	0 − 8	5.84	60.47	+ 5 − 4	15.13	58.65	+1 + 7
23	55.44	14.55	− 6 − 4	59.08	5.93	+ 2 − 7	6.12	60.34	+ 6 − 1	15.45	58.67	−2 + 8
24	55.48	14.25	− 4 − 7	59.27	5.69	+ 4 − 6	6.40	60.22	+ 5 + 3	15.76	58.69	−5 + 7
25	55.53	13.95	− 2 − 8	59.46	5.45	+ 5 − 3	6.68	60.10	+ 3 + 6	16.08	58.72	−8 + 4
26	*)55.59	13.65	0 − 8	59.66	5.22	+ 5 + 1	6.96	59.99	0 + 7	16.39	58.75	−9 0
27	55.65	13.35	+ 2 − 7	59.86	4.99	+ 5 + 4	7.25	59.88	− 4 + 7	16.71	58.78	−8 − 4
28	55.72	13.05	+ 4 − 5	60.06	4.76	+ 1 + 7	7.53	59.77	− 7 + 5	17.02	58.82	−5 − 7
29	55.79	12.76	+ 5 − 2	60.26	4.54	− 2 + 8	7.82	59.67	− 9 + 2	17.34	58.86	−1 − 9
30	55.87	12.46	+ 4 + 2	60.47	4.32	− 6 + 7	8.11	59.57	− 9 − 2	17.65	58.91	+3 − 9
31	55.95	12.16	+ 3 + 5	60.68	4.11	− 9 + 4	8.40	59.48	− 8 − 6	17.97	58.97	+7 − 6
32	56.04	11.87	0 + 7				8.70	59.39	− 4 − 9	18.28	59.03	+9 − 1

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+85° 22′ 50″	12.417	+ 12.376	+85° 23′ 10″	12.432	+ 12.391	+85° 23′ 20″	12.439	+ 12.399
60	12.424	+ 12.384	20	12.439	+ 12.399	30	12.446	+ 12.406

$\alpha_{1937.0} = 4^h\ 15^m\ 58^s.55$ $\delta_{1937.0} = +85°\ 23'\ 10''.82$

*) Tag der doppelten unteren Kulmination: Mai 26.

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

Nc) Grb 750 $6^m.70$

Tag	September				Oktober				November				Dezember			
	AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder	
	$4^h 16^m$	$+85° 22'$	in $0^s.01$	in $0''.01$	$4^h 16^m$	$+85° 23'$	in $0^s.01$	in $0''.01$	$4^h 16^m$	$+85° 23'$	in $0^s.01$	in $0''.01$	$4^h 16^m$	$+85° 23'$	in $0^s.01$	in $0''.01$
1	$18^s.28$	$59''.03$	+ 9	− 1	$27^s.35$	$2''.88$	+ 6	+ 9	$34^s.76$	$10''.50$	− 5	+ 5	$38^s.57$	$20''.42$	− 3	− 7
2	18.60	59.10	+10	+ 3	27.63	3.07	+ 4	+10	34.95	10.80	− 6	+ 1	38.62	20.75	0	− 8
3	18.91	59.17	+ 8	+ 7	27.90	3.27	− 1	+ 9	35.13	11.10	− 5	− 3	38.66	21.09	+ 2	− 7
4	19.22	59.24	+ 5	+ 9	28.18	3.47	− 4	+ 7	35.31	11.40	− 4	− 6	38.70	21.42	+ 4	− 6
5	19.54	59.32	+ 1	+10	28.45	3.68	− 6	+ 3	35.49	11.70	− 2	− 8	38.73	21.75	+ 5	− 3
6	19.85	59.40	− 2	+ 8	28.72	3.89	− 6	− 1	35.66	12.00	0	− 8	38.76	22.08	+ 5	0
7	20.16	59.48	− 5	+ 6	28.99	4.10	− 5	− 4	35.83	12.31	+ 2	− 7	38.78	22.41	+ 4	+ 3
8	20.48	59.57	− 6	+ 2	29.26	4.31	− 4	− 6	35.99	12.62	+ 4	− 5	38.80	22.74	+ 2	+ 5
9	20.79	59.66	− 6	− 2	29.52	4.53	− 1	− 8	36.15	12.93	+ 5	− 2	38.81	23.07	− 1	+ 7
10	21.10	59.76	− 5	− 5	29.78	4.75	+ 1	− 8	36.31	13.24	+ 5	+ 1	38.82	23.40	− 5	+ 7
11	21.41	59.87	− 3	− 7	30.04	4.98	+ 3	− 7	36.46	13.55	+ 3	+ 3	38.82	23.73	− 8	+ 5
12	21.72	59.98	0	− 8	30.30	5.21	+ 4	− 4	36.60	13.87	+ 1	+ 6	38.81	24.05	−10	+ 2
13	22.03	60.09	+ 2	− 8	30.55	5.45	+ 5	− 1	36.74	14.19	− 3	+ 7	38.80	24.38	−10	− 2
14	22.34	60.21	+ 4	− 6	30.80	5.69	+ 4	+ 2	36.88	14.51	− 6	+ 6	38.79	24.70	− 8	− 6
15	22.65	60.33	+ 5	− 3	31.05	5.93	+ 3	+ 5	37.02	14.83	− 8	+ 4	38.77	25.03	− 5	− 8
16	22.95	60.46	+ 5	0	31.29	6.17	0	+ 7	37.15	15.15	−10	0	38.75	25.35	0	− 9
17	23.25	60.59	+ 4	+ 3	31.53	6.42	− 3	+ 7	37.27	15.47	− 9	− 3	38.72	25.67	+ 4	− 8
18	23.56	60.73	+ 2	+ 6	31.77	6.67	− 6	+ 6	37.39	15.80	− 6	− 7	38.69	25.99	+ 8	− 4
19	23.86	60.87	− 1	+ 7	32.01	6.93	− 8	+ 3	37.51	16.13	− 2	− 9	38.65	26.31	+10	+ 1
20	24.16	61.01	− 4	+ 7	32.24	7.19	− 9	− 1	37.62	16.46	+ 2	− 8	38.61	26.62	+10	+ 5
21	24.46	61.16	− 7	+ 5	32.47	7.45	− 8	− 5	37.73	16.78	+ 6	− 6	38.56	26.93	+ 8	+ 8
22	24.76	61.31	− 9	+ 2	32.70	7.71	− 4	− 8	37.83	17.11	+ 9	− 2	38.50	27.24	+ 4	+10
23	25.05	61.47	− 8	− 2	32.92	7.98	0	− 9	37.93	17.44	+10	+ 2	38.44	27.55	+ 1	+10
24	25.35	61.63	− 6	− 6	33.14	8.25	+ 4	− 8	38.02	17.77	+ 9	+ 7	38.38	27.85	− 2	+ 8
25	25.64	61.80	− 3	− 9	33.36	8.52	+ 8	− 5	38.11 38.19	18.10 18.43	+ 6 + 3	+ 9 +10	38.31	28.16	− 4	+ 4
26	25.93	61.97	+ 2	− 9	33.57	8.80	+10	0	38.26	18.76	− 1	+ 9	38.24	28.46	− 5	0
27	26.22	62.14	+ 6	− 7	33.78	9.08	+10	+ 4	38.33	19.09	− 4	+ 6	38.16	28.76	− 4	− 3
28	26.51	62.32	+ 9	− 3	33.98	9.36	+ 8	+ 8	38.40	19.42	− 5	+ 2	38.08	29.06	− 3	− 6
29	26.79	62.50	+10	+ 1	34.18	9.64	+ 5	+10	38.46	19.75	− 5	− 2	37.99	29.35	− 1	− 7
30	27.07	62.69	+ 9	+ 6	34.38	9.92	+ 1	+10	38.52	20.09	− 4	− 5	37.89	29.64	+ 2	− 7
31	27.35	62.88	+ 6	+ 9	34.57	10.21	− 3	+ 8	38.57	20.42	− 3	− 7	37.79	29.93	+ 3	− 6
32					34.76	10.50	− 5	+ 5					37.69	30.21	+ 5	− 4

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+85° 22′ 50″	12.417	+ 12.376	+85° 23′ 10″	12.432	+ 12.391	+85° 23′ 30″	12.446	+ 12.406
60	12.424	+ 12.384	20	12.439	+ 12.399	40	12.454	+ 12.414

$\alpha_{1937.0} = 4^h\ 15^m\ 58^s.55$ $\delta_{1937.0} = +85°\ 23'\ 10''.82$

Nd) 51 Hev. Cephei $5^m.26$

Tag	Januar AR.	Januar Dekl.	Januar ☾ Glieder		Februar AR.	Februar Dekl.	Februar ☾ Glieder		März AR.	März Dekl.	März ☾ Glieder		April AR.	April Dekl.	April ☾ Glieder	
	$7^h 12^m$	+87° 8′	in $0^s.01$	in $0''.01$	$7^h 12^m$	+87° 9′	in $0^s.01$	in $0''.01$	$7^h 12^m$	+87° 9′	in $0^s.01$	in $0''.01$	$7^h 11^m$	+87° 9′	in $0^s.01$	in $0''.01$
1	$18^s.35$	$51''.68$	+16	+3	$18^s.84$	$1''.53$	−7	+6	$12^s.30$	$8''.58$	−9	+4	$60^s.32$	$12''.00$	−9	−6
2	18.50	51.98	+12	+6	18.71	1.83	−10	+3	11.97	8.77	−11	+1	59.90	12.02	−5	−7
3	18.65	52.28	+7	+8	18.57	2.12	−12	0	11.63	8.96	−12	−2	59.47	12.03	−1	−7
4	18.79	52.59	+2	+8	18.43	2.41	−11	−3	11.29	9.14	−11	−5	59.05	12.03	+3	−5
5	18.91	52.90	−4	+7	18.27	2.69	−9	−6	10.94	9.32	−8	−7	58.63	12.03	+6	−2
6	19.03	53.21	−8	+4	18.11	2.98	−6	−7	10.59	9.49	−3	−7	58.21	12.02	+7	+1
7	19.14	53.51	−11	+1	17.94	3.26	−1	−7	10.24	9.66	+1	−6	57.80	12.01	+7	+5
8	19.24 19.33	53.82 54.13	−12 −11	−2 −5	17.76	3.54	+3	−6	9.88	9.82	+5	−4	57.38	11.99	+4	+8
9	19.41	54.44	−8	−7	17.57	3.82	+7	−3	9.52	9.98	+8	−1	56.96	11.96	−1	+9
10	19.48	54.75	−4	−8	17.37	4.09	+9	0	9.15	10.13	+8	+3	56.55	11.93	−6	+9
11	19.55	55.06	+1	−7	17.17	4.36	+9	+4	8.78	10.28	+7	+6	56.13	11.89	−10	+6
12	19.60	55.38	+5	−5	16.96	4.63	+6	+7	8.40	10.42	+3	+9	55.72	11.85	−12	+2
13	19.65	55.69	+8	−2	16.74	4.89	+1	+9	8.02	10.56	−2	+9	55.31	11.80	−11	−3
14	19.68	56.01	+9	+2	16.52	5.15	−5	+9	7.64	10.69	−7	+7	54.90	11.75	−7	−7
15	19.71	56.32	+8	+6	16.28	5.41	−9	+6	7.25	10.81	−11	+4	54.49	11.69	−1	−10
16	19.73	56.63	+4	+9	16.04	5.66	−12	+2	6.86	10.93	−12	0	54.09	11.62	+6	−10
17	19.74	56.94	−2	+10	15.80	5.91	−12	−2	6.47	11.04	−10	−5	53.68	11.54	+12	−8
18	19.75	57.26	−7	+8	15.54	6.15	−9	−7	6.07	11.15	−5	−9	53.28	11.46	+16	−4
19	19.74	57.57	−12	+5	15.28	6.40	−3	−9	5.68	11.25	+2	−10	52.88	11.38	+17	0
20	19.72	57.88	−13	+1	15.01	6.64	+4	−10	5.28	11.34	+8	−9	52.48	11.29	+15	+4
21	19.69	58.19	−12	−4	14.73	6.87	+10	−8	4.88	11.43	+13	−6	52.08	11.19	+10	+7
22	19.66	58.50	−7	−8	14.45	7.10	+14	−5	4.47	11.51	+16	−2	51.69	11.09	+5	+8
23	19.62	58.81	−1	−10	14.16	7.32	+16	−1	4.06	11.59	+16	+2	51.30	10.98	−1	+8
24	19.57	59.11	+6	−9	13.86	7.54	+14	+3	3.65	11.66	+13	+5	50.91	10.87	−6	+6
25	19.51	59.42	+12	−7	13.56	7.76	+10	+6	3.24	11.72	+8	+7	50.53	10.75	−9	+3
26	19.44	59.73	+15	−3	13.25	7.97	+5	+8	2.82	11.78	+2	+8	50.15	10.62	−11	0
27	19.36	60.03	+16	+1	12.94	8.18	0	+8	2.41	11.83	−3	+7	49.78	10.49	−11	−3
28	19.28	60.33	+13	+5	12.62	8.38	−5	+6	1.99	11.88	−8	+5	49.40	10.36	−9	−6
29	19.18	60.63	+9	+7	12.30	8.58	−9	+4	1.58	11.92	−11	+2	49.03	10.22	−6	−7
30	19.08	60.93	+4	+8					1.16	11.95	−12	−1	48.67	10.07	−2	−7
31	18.96	61.23	−2	+7					0.74	11.98	−11	−4	48.31	9.92	+2	−6
32	18.84	61.53	−7	+6					0.32	12.00	−9	−6				

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+87° 8′ 50″	20.092	+ 20.068	+87° 9′ 0″	20.112	+ 20.087	+87° 9′ 10″	20.132	+ 20.107
60	20.112	+ 20.087	10	20.132	+ 20.107	20	20.151	+ 20.126

$\alpha_{1937.0} = 7^h\ 11^m\ 41^s.89$ $\delta_{1937.0} = +87°\ 8'\ 58''.40$

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

Nd) 51 Hev. Cephei $5^m.26$

Tag	Mai AR.	Mai Dekl.	Mai ☾ Glieder		Juni AR.	Juni Dekl.	Juni ☾ Glieder		Juli AR.	Juli Dekl.	Juli ☾ Glieder		August AR.	August Dekl.	August ☾ Glieder	
		+	in			+	in			+	in			+	in	
	$7^h 11^m$	87° 9′	0.01 s	0.01″	$7^h 11^m$	87° 8′	0.01 s	0.01″	$7^h 11^m$	87° 8′	0.01 s	0.01″	$7^h 11^m$	87° 8′	0.01 s	0.01″
1	48.31 s	9.92″	+2	−6	39.73 s	63.05″	+5	+6	37.55 s	53.79″	−7	+9	42.19 s	43.90″	−13	−4
2	47.95	9.77	+5	−3	39.55	62.77	+2	+9	37.59	53.46	−11	+7	42.45	43.60	−8	−8
3	47.60	9.61	+7	0	39.38	62.49	−4	+10	37.64	53.13	−14	+3	42.72	43.30	−1	−9
4	47.25	9.45	+7	+4	39.22	62.20	−9	+9	37.70	52.81	−14	−2	42.99	43.01	+6	−9
5	46.90	9.28	+4	+7	39.06	61.91	−13	+5	37.76	52.48	−11	−6	43.26	42.72	+12	−6
6	46.56	9.10	0	+9	38.91	61.62	−14	+1	37.84	52.15	−5	−9	43.54	42.43	+15	−2
7	46.23	8.92	−5	+9	38.77	61.33	−13	−4	37.92	51.82	+2	−9	43.83	42.14	+15	+2
8	45.90	8.74	−10	+7	38.64	61.03	−8	−8	38.00	51.50	+9	−8	44.12	41.85	+13	+5
9	45.58	8.55	−13	+4	38.51	60.74	−1	−10	38.10	51.17	+14	−5	44.42	41.56	+8	+7
10	45.26	8.35	−13	−1	38.39	60.44	+6	−9	*)38.20	50.85	+16	−1	44.73	41.28	+3	+8
11	44.95	8.15	−10	−5	38.27	60.13	+12	−7	38.31	50.52	+15	+3	45.04	41.00	−3	+6
12	44.64	7.95	−4	−9	38.16	59.83	+16	−3	38.43	50.19	+12	+6	45.36	40.72	−7	+4
13	44.34	7.74	+3	−10	38.06	59.52	+17	+1	38.55	49.87	+7	+8	45.69	40.45	−9	+1
14	44.04	7.53	+10	−9	37.97	59.22	+15	+4	38.68	49.54	+1	+8	46.02	40.18	−10	−2
15	43.75	7.31	+15	−6	37.89	58.91	+10	+7	38.82	49.22	−4	+6	46.35	39.91	−9	−5
16	43.46	7.09	+17	−2	37.81	58.60	+5	+8	38.96	48.90	−8	+3	46.69	39.64	−6	−6
17	43.18	6.87	+17	+2	37.74	58.29	−1	+7	39.11	48.57	−10	0	47.04	39.38	−3	−7
18	42.91	6.64	+13	+5	37.68	57.97	−6	+5	39.27	48.25	−10	−3	47.39	39.11	+1	−7
19	42.64	6.41	+8	+7	37.63	57.66	−9	+2	39.43	47.94	−8	−5	47.74	38.85	+5	−5
20	42.38	6.17	+2	+8	37.58	57.34	−10	−1	39.60	47.62	−5	−7	48.10	38.60	+8	−2
21	42.12	5.93	−3	+6	37.54	57.02	−9	−4	39.78	47.30	−1	−7	48.46	38.35	+8	+1
22	41.87	5.68	−8	+4	37.51	56.70	−7	−6	39.97	46.99	+3	−6	48.83	38.10	+7	+5
23	41.63	5.43	−10	+1	37.48	56.38	−4	−7	40.16	46.67	+6	−4	49.21	37.85	+4	+8
24	41.39	5.18	−11	−2	37.46	56.06	0	−7	40.36	46.36	+8	−1	49.59	37.61	−1	+9
25	41.16	4.93	−9	−5	37.45	55.74	+4	−6	40.56	46.05	+8	+3	49.97	37.37	−6	+8
26	40.93	4.67	−7	−7	37.45	55.42	+7	−3	40.77	45.74	+6	+6	50.36	37.13	−10	+6
27	40.72	4.41	−3	−7	37.46	55.10	+8	0	40.99	45.43	+2	+8	50.76	36.90	−13	+2
28	40.51	4.14	+1	−7	37.47	54.77	+7	+4	41.22	45.12	−4	+9	51.16	36.67	−13	−2
29	40.30	3.88	+4	−5	37.49	54.44	+4	+8	41.45	44.81	−9	+8	51.56	36.44	−9	−6
30	40.10	3.61	+7	−1	37.52	54.12	−1	+9	41.69	44.51	−13	+5	51.97	36.22	−3	−9
31	39.91	3.33	+7	+2	37.55	53.79	−7	+9	41.94	44.20	−14	0	52.38	36.00	+3	−9
32	39.73	3.05	+5	+6					42.19	43.90	−13	−4	52.80	35.78	+9	−7

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+87° 8′ 30″	20.053	+20.028	+87° 8′ 40″	20.073	+20.048	+87° 9′ 0″	20.112	+20.087
40	20.073	+20.048	50	20.092	+20.068	10	20.132	+20.107

$\alpha_{1937.0} = 7^h\ 11^m\ 41^s.89$ $\qquad$ $\delta_{1937.0} = +87°\ 8'\ 58''.40$

*) Tag der doppelten unteren Kulmination: Juli 10.

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

Nd) 51 Hev. Cephei $5^m.26$

Tag	September				Oktober				November				Dezember			
	AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder	
	$7^h\ 11^m$	+87° 8′	in $0^s.01$	in $0''.01$	$7^h\ 12^m$	+87° 8′	in $0^s.01$	in $0''.01$	$7^h\ 12^m$	+87° 8′	in $0^s.01$	in $0''.01$	$7^h\ 12^m$	+87° 8′	in $0^s.01$	in $0''.01$
1	52.80	35.78	+ 9	−7	6.87	31.12	+15	+3	22.67	30.62	− 2	+7	36.14	34.64	− 9	−1
2	53.22	35.57	+14	−4	7.37	31.03	+12	+6	23.16	30.68	− 6	+5	36.52	34.85	− 9	−4
3	53.64	35.36	+15	0	7.88	30.95	+ 7	+8	23.66	30.75	− 9	+1	36.89	35.06	− 7	−6
4	54.07	35.16	+14	+4	8.39	30.87	+ 1	+8	24.15	30.82	−10	−2	37.26	35.27	− 4	−7
5	54.50	34.95	+10	+7	8.89	30.80	− 4	+6	24.64	30.90	− 9	−4	37.62	35.49	− 1	−7
6	54.94	34.75	+ 4	+8	9.40	30.73	− 8	+3	25.13	30.99	− 7	−6	37.98	35.71	+ 3	−6
7	55.38	34.56	− 1	+7	9.91	30.66	−10	0	25.62	31.08	− 3	−7	38.33	35.94	+ 5	−4
8	55.83	34.37	− 6	+5	10.42	30.60	−10	−3	26.10	31.17	0	−7	38.67	36.17	+ 7	−1
9	56.28	34.18	− 9	+2	10.94	30.54	− 9	−5	26.58	31.27	+ 3	−5	39.01	36.40	+ 7	+3
10	56.73	34.00	−10	−1	11.45	30.49	− 6	−7	27.06	31.37	+ 6	−2	39.34	36.64	+ 4	+6
11	57.19	33.82	−10	−4	11.97	30.44	− 3	−7	27.53	31.48	+ 7	+1	39.66	36.88	0	+8
12	57.65	33.64	− 8	−6	12.48	30.40	+ 1	−6	28.00	31.59	+ 6	+4	39.97	37.12	− 5	+9
13	58.11	33.47	− 5	−7	12.99	30.36	+ 4	−4	28.46	31.71	+ 3	+7	40.28	37.37	−10	+8
14	58.58	33.30	− 1	−7	13.51	30.33	+ 7	−1	28.93	31.83	− 1	+9	40.58	37.62	−14	+5
15	59.04	33.14	+ 3	−6	14.02	30.30	+ 7	+2	29.39	31.96	− 7	+9	40.88	37.87	−15	+1
16	59.51	32.98	+ 6	−3	14.53	30.28	+ 6	+5	29.84	32.09	−11	+7	41.17	38.13	−13	−3
17	59.98	32.83	+ 8	0	15.05	30.27	+ 2	+8	30.29	32.23	−14	+3	41.45	38.39	− 8	−7
18	60.46	32.68	+ 8	+4	15.56	30.26	− 3	+9	30.74	32.37	−13	−1	41.72	38.66	− 1	−9
19	60.94	32.53	+ 5	+7	16.08	30.25	− 8	+8	31.18	32.52	−10	−5	41.98	38.93	+ 6	−9
20	61.42	32.39	+ 1	+9	16.60	30.25	−11	+5	31.62	32.67	− 4	−8	42.24	39.20	+12	−6
21	61.91	32.25	− 4	+9	17.11	30.25	−13	+1	32.05	32.83	+ 3	−9	42.49	39.47	+16	−3
22	62.40	32.12	− 9	+7	17.62	30.26	−12	−3	32.48	32.99	+10	−8	42.73	39.75	+16	+1
23	62.89	31.99	−12	+4	18.13	30.27	− 7	−7	32.91	33.16	+15	−5	42.96	40.03	+14	+5
24	63.38	31.87	−12	−1	18.64	30.29	− 1	−9	33.33	33.33	+17	−1	43.19	40.31	+ 9	+7
25	63.87	31.75	−10	−5	19.15	30.31	+ 6	−9	33.75	33.50	+16	+3	43.41	40.60	+ 4	+8
26	64.36	31.63	− 5	−8	19.65	30.34	+12	−7	34.16	33.68	+12	+6	43.62	40.89	− 2	+6
27	64.86	31.52	+ 1	−9	20.16	30.38	+16	−3	34.57	33.86	+ 7	+7	43.82	41.18	− 6	+4
28	65.36	31.41	+ 8	−8	20.67	30.42	+16	+1	34.97	34.05	+ 1	+7	44.02	41.47	− 8	0
29	65.86	31.31	+13	−5	21.17	30.46	+14	+5	35.37	34.24	− 4	+5	44.21	41.76	− 8	−3
30	66.36	31.21	+15	−1	21.67	30.51	+ 9	+7	35.76	34.44	− 8	+2	44.38	42.06	− 7	−5
31	66.87	31.12	+15	+3	22.17	30.56	+ 4	+8	36.14	34.64	− 9	−1	44.55	42.36	− 5	−7
32					22.67	30.62	− 2	+7					44.71	42.66	− 1	−7

δ	sec δ	tg δ	δ	sec δ	tg δ
+87° 8′ 30″	20.053	+ 20.028	+87° 8′ 40″	20.073	+ 20.048
40	20.073	+ 20.048	50	20.092	+ 20.068

$\alpha_{1937.0} = 7^h\ 11^m\ 41^s.89$ $\delta_{1937.0} = +87°\ 8'\ 58''.40$

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

Ne) 1 Hev. Draconis $4^m.58$

Tag	Januar				Februar				März				April			
	AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder	
	$9^h 28^m$	+ 81° 36′	in $0^s.01$	in $0''.01$	$9^h 28^m$	+ 81° 36′	in $0^s.01$	in $0''.01$	$9^h 28^m$	+ 81° 36′	in $0^s.01$	in $0''.01$	$9^h 28^m$	+ 81° 36′	in $0^s.01$	in $0''.01$
1	$25^s.24$	$6''.16$	+6	−3	$28^s.12$	$13''.45$	+1	+7	$28^s.30$	$22''.07$	−2	+6	$25^s.92$	$29''.85$	−4	−2
2	25.37	6.33	+6	0	28.17	13.74	−1	+7	28.26	22.36	−4	+5	25.81	30.04	−3	−4
3	25.50	6.51	+4	+3	28.21	14.03	−3	+6	28.22	22.65	−5	+2	25.70	30.23	−2	−5
4	25.62	6.69	+2	+6	28.26	14.32	−4	+4	28.18	22.94	−5	0	25.58	30.41	0	−5
5	25.75	6.88	0	+7	28.29	14.61	−5	+1	28.13	23.22	−4	−3	25.47	30.59	+2	−4
6	25.86	7.08	−2	+6	28.33	14.90	−5	−1	28.08	23.51	−3	−5	25.35	30.76	+3	−1
7	25.98	7.27	−4	+5	28.36	15.20	−4	−4	28.02	23.79	−1	−6	25.23	30.93	+3	+2
8	26.10	7.48	−5	+3	28.39	15.49	−2	−5	27.97	24.07	+1	−5	25.12	31.09	+3	+6
9	26.21	7.68	−5	0	28.42	15.79	0	−6	27.91	24.35	+3	−3	25.00	31.25	+1	+8
10	26.32	7.89	−4	−3	28.45	16.08	+2	−5	27.85	24.62	+4	0	24.87	31.40	0	+9
11	26.44	8.11	−3	−5	28.47	16.38	+3	−3	27.79	24.90	+4	+3	24.75	31.55	−2	+9
12	26.54	8.33	−1	−6	28.49 28.50	16.68 16.98	+4 +3	0 +4	27.72	25.17	+3	+6	24.63	31.69	−4	+6
13	26.65	8.55	+1	−6	28.51	17.28	+2	+7	27.65	25.44	+1	+8	24.50	31.83	−5	+1
14	26.75	8.78	+3	−4	28.52	17.58	0	+9	27.58	25.70	−1	+9	24.38	31.96	−4	−4
15	26.85	9.01	+4	−1	28.53	17.88	−2	+9	27.50	25.97	−3	+7	24.25	32.08	−2	−8
16	26.95	9.25	+4	+2	28.53	18.18	−4	+6	27.42	26.22	−4	+4	24.12	32.20	0	−10
17	27.04	9.48	+3	+6	28.53	18.48	−5	+2	27.34	26.48	−5	−1	23.99	32.32	+3	−11
18	27.13	9.73	+1	+8	28.53	18.78	−4	−2	27.26	26.73	−3	−6	23.86	32.43	+5	−9
19	27.22	9.97	−1	+9	28.52	19.09	−3	−7	27.18	26.98	−1	−9	23.73	32.53	+6	−6
20	27.31	10.22	−3	+8	28.51	19.39	−1	−9	27.10	27.22	+1	−11	23.60	32.63	+6	−2
21	27.39	10.47	−4	+5	28.50	19.69	+2	−10	27.01	27.46	+3	−10	23.46	32.73	+5	+2
22	27.47	10.73	−5	+1	28.48	19.99	+4	−9	26.92	27.70	+5	−8	23.33	32.82	+3	+5
23	27.55	10.99	−4	−4	28.47	20.29	+6	−6	26.83	27.93	+6	−4	23.20	32.90	+1	+6
24	27.62	11.25	−2	−8	28.44	20.59	+6	−2	26.74	28.16	+6	0	23.06	32.98	−1	+7
25	27.70	11.52	0	−10	28.42	20.89	+5	+1	26.64	28.39	+4	+3	22.93	33.05	−3	+6
26	27.76	11.79	+3	−10	28.39	21.18	+3	+5	26.54	28.61	+2	+6	22.79	33.12	−4	+4
27	27.83	12.06	+5	−8	28.36	21.48	+1	+6	26.44	28.83	0	+7	22.66	33.18	−5	+1
28	27.89	12.33	+6	−5	28.33	21.77	−1	+7	26.34	29.04	−2	+7	22.52	33.23	−5	−1
29	27.95	12.61	+6	−1	28.30	22.07	−2	+6	26.24	29.25	−3	+5	22.39	33.28	−4	−3
30	28.01	12.89	+5	+3					26.14	29.45	−4	+3	22.25	33.32	−2	−5
31	28.07	13.17	+3	+5					26.03	29.65	−5	+1	22.12	33.36	−1	−6
32	28.12	13.45	+1	+7					25.92	29.85	−4	−2				

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+81° 36′ 0″	6.845	+6.772	+81° 36′ 20″	6.850	+6.777	+81° 36′ 30″	6.852	+6.779
10	6.848	+6.774	30	6.852	+6.779	40	6.854	+6.781

$\alpha_{1937.0} = 9^h\ 28^m\ 15^s.88$ $\delta_{1937.0} = +81°\ 36'\ 26''.51$

Ne) I Hev. Draconis $4^{m}.58$

Tag	Mai				Juni				Juli				August			
	AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder	
	$9^{h} 28^{m}$	+ 81° 36′	in 0.01^{s}	in $0.01''$	$9^{h} 28^{m}$	+ 81° 36′	in 0.01^{s}	in $0.01''$	$9^{h} 28^{m}$	+ 81° 36′	in 0.01^{s}	in $0.01''$	$9^{h} 28^{m}$	+ 81° 36′	in 0.01^{s}	in $0.01''$
	s	"			s	"			s	"			s	"		
1	22.12	33.36	−1	− 6	18.09	31.71	+3	+ 3	15.28	25.54	0	+10	14.22	16.00	−5	+ 1
2	21.98	33.39	+1	− 5	17.97	31.57	+2	+ 7	15.21	25.27	−3	+10	14.22	15.66	−4	− 4
3	21.84	33.42	+3	− 2	17.85	31.42	+1	+ 9	15.15	25.00	−4	+ 7	14.22	15.33	−2	− 7
4	21.71	33.44	+3	+ 1	17.74	31.27	−1	+10	15.09	24.72	−5	+ 4	14.23	14.99	0	− 9
5	21.57	33.45	+3	+ 5	17.63	31.11	−3	+ 9	15.03	24.44	−5	− 1	14.24	14.64	+3	− 9
6	21.44	33.46	+2	+ 8	17.52	30.95	−5	+ 6	14.97	24.16	−3	− 6	14.25	14.30	+5	− 7
7	21.30	33.46	0	+10	17.41	30.79	−5	+ 1	14.92	23.88	−1	− 9	14.26	13.96	+6	− 4
8	21.17	33.46	−2	+ 9	17.30	30.62	−4	− 4	14.86	23.59	+2	−10	14.27	13.61	+6	0
9	21.03	33.45	−4	+ 7	17.19	30.45	−2	− 8	14.81	23.31	+4	− 9	14.28	13.27	+4	+ 3
10	20.90	33.44	−5	+ 4	17.09	30.27	0	−10	14.76	23.01	+6	− 6	14.30	12.92	+2	+ 5
11	20.76	33.42	−5	− 1	16.99	30.09	+3	−10	14.71	22.72	+6	− 3	14.32	12.57	0	+ 6
12	20.63	33.39	−3	− 6	16.89	29.90	+5	− 9	14.67	22.42	+5	+ 1	14.35	12.23	−1	+ 6
13	20.50	33.36	−1	− 9	16.79	29.71	+6	− 5	14.62	22.12	+4	+ 4	14.37	11.88	−3	+ 4
14	20.37	33.32	+2	−11	16.69	29.51	+6	− 2	14.59	21.82	+2	+ 6	*)14.40	11.53	−4	+ 2
15	20.23	33.28	+4	−10	16.59	29.31	+5	+ 2	14.55	21.52	0	+ 6	14.43	11.18	−4	− 1
16	20.10	33.23	+6	− 8	16.50	29.11	+3	+ 5	14.51	21.21	−2	+ 5	14.46	10.84	−4	− 3
17	19.97	33.18	+6	− 4	16.40	28.90	+1	+ 6	14.48	20.90	−3	+ 3	14.50	10.49	−2	− 5
18	19.84	33.12	+6	0	16.31	28.69	−1	+ 6	14.45	20.59	−4	+ 1	14.53	10.14	−1	− 6
19	19.71	33.05	+4	+ 3	16.22	28.47	−3	+ 5	14.41	20.27	−4	− 2	14.57	9.79	+1	− 6
20	19.58	32.98	+2	+ 6	16.14	28.25	−4	+ 2	14.39	19.95	−3	− 4	14.61	9.44	+2	− 4
21	19.45	32.90	0	+ 6	16.05	28.02	−4	0	14.36	19.63	−2	− 6	14.65	9.09	+3	− 2
22	19.32	32.82	−2	+ 6	15.96	27.79	−4	− 2	14.34	19.31	0	− 6	14.70	8.75	+3	+ 1
23	19.19	32.73	−3	+ 4	15.88	27.55	−3	− 4	14.32	18.99	+1	− 5	14.75	8.40	+3	+ 5
24	19.07	32.64	−4	+ 2	15.80	27.31	−2	− 6	14.30	18.66	+3	− 4	14.80	8.05	+2	+ 8
25	18.94	32.54	−4	− 1	15.72	27.07	0	− 6	14.28	18.34	+4	− 1	14.85	7.71	−1	+ 9
26	18.81	32.44	−4	− 3	15.64	26.82	+2	− 5	14.27	18.01	+3	+ 3	14.91	7.36	−3	+ 9
27	18.69	32.33	−3	− 5	15.57	26.57	+3	− 2	14.25	17.68	+2	+ 7	14.96	7.01	−4	+ 6
28	18.57	32.22	−1	− 6	15.49	26.32	+3	+ 1	14.24	17.35	+1	+ 9	15.02	6.67	−5	+ 2
29	18.45	32.10	0	− 5	15.42	26.06	+3	+ 5	14.23	17.01	−2	+10	15.08	6.32	−5	− 2
30	18.33	31.97	+2	− 4	15.35	25.80	+2	+ 8	14.23	16.68	−3	+ 8	15.14	5.98	−3	− 6
31	18.21	31.84	+3	− 1	15.28	25.54	0	+10	14.22	16.34	−5	+ 5	15.20	5.64	−1	− 9
32	18.09	31.71	+3	+ 3					14.22	16.00	−5	+ 1	15.27	5.29	+2	−10

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+81° 36′ 0″	6.845	+6.772	+81° 36′ 20″	6.850	+6.777	+81° 36′ 30″	6.852	+6.779
10	6.848	+6.774	30	6.852	+6.779	40	6.854	+6.781

$\alpha_{1937.0} = 9^{h}\ 28^{m}\ 15^{s}.88$ $\delta_{1937.0} = +81°\ 36'\ 26''.51$

*) Tag der doppelten unteren Kulmination: Aug. 14.

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

Ne) 1 Hev. Draconis $4^m\!.58$

Tag	September				Oktober				November				Dezember			
	AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder	
	$9^h 28^m$	$+81° 35'$	in $0^s\!.01$	$0''\!.01$	$9^h 28^m$	$+81° 35'$	in $0^s\!.01$	$0''\!.01$	$9^h 28^m$	$+81° 35'$	in $0^s\!.01$	$0''\!.01$	$9^h 28^m$	$+81° 35'$	in $0^s\!.01$	$0''\!.01$
1	15.27	65.29	+2	−10	18.16	55.75	+6	− 3	22.68	48.69	+1	+ 6	27.74	46.17	−3	+ 3
2	15.34	64.95	+4	− 8	18.29	55.47	+5	+ 1	22.84	48.53	−1	+ 6	27.91	46.17	−4	0
3	15.41	64.61	+6	− 5	18.41	55.19	+4	+ 4	23.01	48.38	−3	+ 4	28.08	46.18	−4	− 2
4	15.48	64.27	+6	− 1	18.54	54.92	+2	+ 6	23.17	48.23	−4	+ 2	28.25	46.20	−3	− 4
5	15.56	63.93	+5	+ 2	18.67	54.64	0	+ 6	23.33	48.08	−4	− 1	28.41	46.22	−2	− 5
6	15.63	63.60	+3	+ 5	18.80	54.38	−2	+ 6	23.50	47.94	−4	− 3	28.58	46.24	0	− 6
7	15.71	63.26	+1	+ 6	18.94	54.11	−3	+ 4	23.66	47.81	−3	− 5	28.74	46.27	+1	− 5
8	15.79	62.92	−1	+ 6	19.07	53.85	−4	+ 1	23.83	47.68	−1	− 6	28.91	46.31	+2	− 3
9	15.87	62.59	−3	+ 5	19.21	53.59	−4	− 1	24.00	47.56	0	− 6	29.07	46.35	+3	0
10	15.95	62.26	−4	+ 3	19.35	53.33	−3	− 3	24.17	47.44	+2	− 4	29.24	46.40	+3	+ 4
11	16.04	61.93	−4	0	19.49	53.08	−2	− 5	24.34	47.32	+3	− 2	29.40	46.46	+2	+ 7
12	16.13	61.60	−4	− 2	19.63	52.83	−1	− 6	24.51	47.21	+3	+ 2	29.56	46.52	0	+ 9
13	16.22	61.27	−3	− 4	19.77	52.59	+1	− 5	24.68	47.11	+3	+ 5	29.72	46.58	−2	+10
14	16.31	60.95	−2	− 6	19.91	52.35	+2	− 3	24.85	47.01	+1	+ 8	29.88	46.65	−4	+ 9
15	16.41	60.62	0	− 6	20.05	52.11	+3	− 1	25.02	46.92	0	+10	30.04	46.73	−5	+ 6
16	16.50	60.30	+1	− 5	20.20	51.87	+3	+ 3	25.19	46.83	−2	+10	30.20	46.81	−5	+ 2
17	16.60	59.98	+3	− 3	20.35	51.64	+2	+ 6	25.36	46.75	−4	+ 7	30.35	46.90	−4	− 3
18	16.70	59.67	+3	0	20.49	51.41	+1	+ 8	25.53	46.67	−5	+ 4	30.51	47.00	−2	− 7
19	16.80	59.35	+3	+ 4	20.64	51.19	−1	+ 9	25.70	46.60	−5	− 1	30.66	47.10	0	− 9
20	16.90	59.04	+2	+ 7	20.79	50.97	−3	+ 9	25.87	46.53	−3	− 5	30.81	47.21	+3	−10
21	17.01	58.72	0	+ 9	20.94	50.76	−4	+ 6	26.05	46.47	−1	− 9	30.96	47.32	+5	− 8
22	17.12	58.42	−2	+ 9	21.09	50.55	−5	+ 2	26.22	46.41	+2	−10	31.11	47.44	+6	− 5
23	17.23	58.11	−3	+ 7	21.25	50.34	−4	− 3	26.39	46.36	+4	− 9	31.25	47.56	+6	− 1
24	17.34	57.81	−5	+ 4	21.40	50.14	−2	− 7	26.56	46.32	+6	− 7	31.40	47.69	+5	+ 2
25	17.45	57.51	−5	0	21.56	49.94	0	−10	26.73	46.28	+6	− 3	31.54	47.82	+3	+ 5
26	17.56	57.21	−3	− 5	21.71	49.75	+3	−10	26.90	46.25	+5	+ 1	31.69	47.96	+1	+ 6
27	17.68	56.91	−1	− 8	21.87	49.56	+5	− 8	27.07	46.22	+4	+ 4	31.83	48.10	−1	+ 5
28	17.80	56.62	+1	−10	22.03	49.38	+6	− 5	27.24	46.20	+2	+ 6	31.97	48.25	−3	+ 3
29	17.92	56.33	+4	− 9	22.19	49.20	+6	− 1	27.41	46.18	0	+ 6	32.11	48.40	−4	+ 1
30	18.04	56.04	+5	− 7	22.35	49.03	+5	+ 2	27.58	46.17	−2	+ 5	32.24	48.56	−4	− 2
31	18.16	55.75	+6	− 3	22.52	48.86	+3	+ 5	27.74	46.17	−3	+ 3	32.37	48.72	−3	− 4
32					22.68	48.69	+1	+ 6					32.50	48.89	−2	− 6

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+81° 35′ 40″	6.841	+6.767	+81° 35′ 50″	6.843	+6.770	+81° 36′ 0″	6.845	+6.772
50	6.843	+6.770	60	6.845	+6.772	10	6.848	+6.774

$\alpha_{1937.0} = 9^h\ 28^m\ 15^s\!.88$ $\delta_{1937.0} = +81°\ 36'\ 26''\!.51$

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

Nf) 30 Hev. Camelopardalis $5^m.34$

Tag	Januar				Februar				März				April			
	AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder	
	10^h23^m	+82° 52′	in $0^s.01$	$0''.01$	10^h23^m	+82° 52′	in $0^s.01$	$0''.01$	10^h23^m	+82° 52′	in $0^s.01$	$0''.01$	10^h23^m	+82° 52′	in $0^s.01$	$0''.01$
1	$42^s.31$	$26''.23$	+6	−6	$46^s.58$	$32''.09$	+2	+6	$47^s.91$	$40''.55$	−2	+7	$46^s.18$	$49''.46$	−5	0
2	42.49	26.34	+6	−2	46.67	32.35	−1	+7	47.90	40.85	−4	+6	46.08	49.71	−4	−2
3	42.66	26.46	+5	+2	46.76	32.61	−3	+7	47.89	41.16	−5	+4	45.97	49.95	−3	−4
4	42.83	26.58	+3	+4	46.85	32.88	−4	+5	47.88	41.47	−5	+2	45.86	50.19	0	−5
5	42.99	26.71	+1	+6	46.93	33.15	−5	+3	47.86	41.78	−5	−1	45.75	50.43	+2	−4
6	43.16	26.85	−1	+7	47.01	33.42	−5	0	47.84	42.09	−4	−3	45.64	50.66	+3	−3
7	43.32	26.99	−3	+6	47.09	33.70	−4	−2	47.82	42.39	−2	−5	45.52	50.88	+4	0
8	43.48	27.13	−5	+4	47.16	33.97	−3	−4	47.79	42.70	0	−5	45.41	51.11	+4	+4
9	43.64	27.28	−5	+2	47.23	34.25	−1	−6	47.76	43.00	+2	−4	45.29	51.32	+3	+7
10	43.79	27.44	−5	−1	47.30	34.54	+2	−6	47.72	43.31	+4	−2	45.17	51.54	+1	+9
11	43.95	27.60	−4	−3	47.36	34.82	+3	−4	47.69	43.61	+5	+1	45.04	51.75	−2	+9
12	44.10	27.76	−2	−5	47.42	35.11	+5	−1	47.64	43.91	+4	+5	44.92	51.95	−4	+7
13	44.25	27.93	0	−6	47.48	35.40	+5	+3	47.60	44.21	+2	+7	44.79	52.15	−5	+3
14	44.40	28.11	+2	−5	47.53	35.69	+3	+6	47.55	44.51	0	+9	44.67	52.35	−5	−2
15	44.54	28.29	+4	−3	47.58	35.98	+1	+8	47.51	44.80	−3	+8	44.53	52.54	−3	−6
16	44.68	28.47	+5	0	47.63	36.28	−1	+9	47.45	45.10	−4	+5	44.40	52.73	−1	−10
17	44.82	28.66	+4	+4	47.67	36.58	−4	+7	47.40	45.39	−5	+1	44.27	52.91	+2	−11
18	44.96	28.86	+3	+7	47.71	36.88	−5	+4	47.34	45.68	−5	−4	44.13	53.09	+4	−10
19	45.09	29.06	0	+9	47.74	37.18	−5	0	47.28	45.97	−3	−8	43.99	53.26	+6	−8
20	45.22	29.27	−2	+9	47.77	37.48	−4	−5	47.21	46.25	0	−10	43.86	53.42	+7	−4
21	45.35	29.48	−4	+7	47.80	37.78	−2	−8	47.14	46.54	+2	−11	43.71	53.58	+6	0
22	45.48	29.70	−5	+3	47.83	38.09	+1	−10	47.07	46.82	+5	−9	43.57	53.74	+4	+3
23	45.60	29.92	−5	−2	47.85	38.40	+3	−10	46.99	47.10	+6	−6	43.42	53.89	+2	+5
24	45.72	30.15	−3	−6	47.87	38.71	+5	−8	46.91	47.38	+6	−2	43.28	54.04	0	+7
25	45.84	30.38	−1	−9	47.89	39.01	+6	−4	46.83	47.65	+5	+1	43.13	54.18	−2	+6
26	45.95	30.61	+2	−10	47.90 47.90	39.32 39.63	+6 +4	−1 +3	46.75	47.92	+3	+4	42.98	54.31	−4	+5
27	46.06	30.85	+4	−9	47.91	39.94	+2	+5	46.66	48.19	+1	+6	42.83	54.44	−5	+3
28	46.17	31.09	+6	−7	47.91	40.24	0	+7	46.57	48.45	−1	+7	42.68	54.57	−5	+1
29	46.27	31.34	+6	−3	47.91	40.55	−2	+7	46.48	48.71	−3	+6	42.53	54.69	−5	−2
30	46.38	31.58	+6	+1					46.38	48.96	−4	+5	42.38	54.80	−3	−4
31	46.48	31.84	+4	+4					46.28	49.22	−5	+3	42.22	54.91	−1	−5
32	46.58	32.09	+2	+6					46.18	49.46	−5	0				

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+82° 52′ 20″	8.059	+7.997	+82° 52′ 30″	8.062	+8.000	+82° 52′ 50″	8.069	+8.006
30	8.062	+8.000	40	8.065	+8.003	60	8.072	+8.009

$\alpha_{1937.0} = 10^h\ 23^m\ 34^s.35$ $\qquad$ $\delta_{1937.0} = +82°\ 52'\ 50''.32$

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

Nf) 30 Hev. Camelopardalis $5^m.34$

Tag	Mai				Juni				Juli				August			
	AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder	
	10^h23^m	$+82°\ 52'$	in $0^s.01$	in $0''.01$	10^h23^m	$+82°\ 52'$	in $0^s.01$	in $0''.01$	10^h23^m	$+82°\ 52'$	in $0^s.01$	in $0''.01$	10^h23^m	$+82°\ 52'$	in $0^s.01$	in $0''.01$
1	$42^s.22$	$54''.91$	−1	−5	$37^s.31$	$55''.48$	+4	+2	$33^s.16$	$51''.03$	+1	+9	$30^s.61$	$42''.37$	−6	+3
2	42.07	55.02	+1	−5	37.15	55.41	+3	+5	33.05	50.81	−2	+10	30.56	42.05	−5	−2
3	41.91	55.12	+2	−3	37.00	55.33	+2	+8	32.93	50.58	−4	+9	30.52	41.71	−3	−6
4	41.76	55.21	+4	0	36.85	55.24	0	+10	32.83	50.35	−5	+5	30.48	41.38	−1	−9
5	41.60	55.30	+4	+3	36.69	55.15	−3	+10	32.72	50.11	−6	+1	30.44	41.05	+2	−10
6	41.44	55.38	+3	+6	36.54	55.06	−5	+7	32.61	49.87	−4	−4	30.40	40.71	+5	−9
7	41.28	55.46	+1	+9	36.39	54.96	−6	+3	32.51	49.63	−2	−7	30.37	40.37	+6	−6
8	41.13	55.53	−1	+10	36.24	54.85	−5	−2	32.41	49.38	0	−10	30.34	40.04	+6	−2
9	40.97	55.59	−3	+8	36.09	54.74	−3	−6	32.30	49.13	+3	−10	30.31	39.69	+5	+1
10	40.81	55.65	−5	+5	35.95	54.63	−1	−10	32.21	48.87	+5	−8	30.28	39.35	+3	+4
11	40.65	55.70	−5	+1	35.80	54.51	+2	−11	32.11	48.61	+6	−5	30.25	39.00	+1	+6
12	40.49	55.75	−4	−4	35.66	54.38	+5	−10	32.02	48.35	+6	−1	30.23	38.65	−1	+6
13	40.33	55.79	−2	−8	35.51	54.25	+6	−8	31.93	48.08	+5	+2	30.21	38.31	−3	+5
14	40.17	55.83	0	−11	35.37	54.11	+7	−4	31.84	47.81	+3	+4	30.20	37.96	−4	+3
15	40.01	55.86	+3	−11	35.23	53.97	+6	0	31.75	47.53	0	+6	30.18	37.60	−5	+1
16	39.85	55.88	+5	−9	35.09	53.82	+4	+3	31.67	47.25	−2	+6	30.17	37.25	−4	−1
17	39.69	55.90	+6	−6	34.95	53.67	+2	+5	31.58	46.97	−3	+4	30.16	36.90	−3	−3
18	39.53	55.91	+6	−2	34.81	53.51	0	+6	31.50	46.69	−5	+3	30.15	36.54	−2	−5
19	39.37	55.92	+5	+1	34.67	53.35	−3	+5	31.42	46.40	−5	0	30.15	36.19	0	−5
20	39.21	55.92	+3	+4	34.54	53.18	−4	+4	31.35	46.11	−4	−2	30.15	35.83	+2	−5
21	39.05	55.91	+1	+6	34.40	53.01	−5	+2	31.27	45.81	−3	−4	30.15	35.47	+3	−3
22	38.89	55.90	−2	+6	34.27	52.83	−5	−1	31.20	45.51	−1	−6	30.15	35.11	+4	0
23	38.73	55.88	−3	+5	34.14	52.65	−4	−3	31.13	45.21	+1	−6	30.16	34.75	+4	+3
24	38.57	55.86	−4	+4	34.01	52.46	−2	−5	31.06	44.91	+3	−4	30.17	34.39	+3	+6
25	38.41	55.84	−5	+1	33.88	52.27	0	−5	30.99	44.60	+4	−2	30.18	34.03	+1	+9
26	38.25	55.80	−5	−1	33.76	52.07	+1	−5	30.93	44.29	+4	+2	30.20	33.67	−2	+9
27	38.10	55.76	−4	−3	33.63	51.87	+3	−3	30.87	43.98	+3	+5	30.21	33.30	−4	+8
28	37.94	55.72	−2	−5	33.51	51.67	+4	0	30.81	43.66	+2	+8	*)30.23	32.93	−5	+4
29	37.78	55.67	0	−5	33.39	51.46	+4	+3	30.76	43.34	0	+10	30.25	32.57	−5	0
30	37.62	55.61	+2	−4	33.28	51.25	+3	+7	30.71	43.02	−3	+9	30.28	32.20	−4	−5
31	37.47	55.55	+3	−2	33.16	51.03	+1	+9	30.66	42.70	−5	+7	30.31	31.83	−2	−8
32	37.31	55.48	+4	+2					30.61	42.37	−6	+3	30.34	31.47	+1	−10

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+82° 52′ 30″	8.062	+8.000	+82° 52′ 40″	8.065	+8.003	+82° 52′ 50″	8.069	+8.006
40	8.065	+8.003	50	8.069	+8.006	60	8.072	+8.009

$\alpha_{1937.0} = 10^h\ 23^m\ 34^s.35$ $\delta_{1937.0} = +82°\ 52'\ 50''.32$

*) Tag der doppelten unteren Kulmination: Aug. 28.

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

Nf) 30 Hev. Camelopardalis $5^m.34$

Tag	September AR.	September Dekl.	September ☾ Glieder	Oktober AR.	Oktober Dekl.	Oktober ☾ Glieder	November AR.	November Dekl.	November ☾ Glieder	Dezember AR.	Dezember Dekl.	Dezember ☾ Glieder
	$10^h 23^m$	+82° 52′	in $0^s.01$ | $0''.01$	$10^h 23^m$	+82° 52′	in $0^s.01$ | $0''.01$	$10^h 23^m$	+82° 52′	in $0^s.01$ | $0''.01$	$10^h 23^m$	+82° 52′	in $0^s.01$ | $0''.01$
1	30.34	31.47	+1 −10	32.40	20.76	+6 −5	36.64	11.68	+2 +5	42.15	6.81	−3 +4
2	30.37	31.10	+4 −9	32.50	20.43	+6 −2	36.81	11.45	−1 +6	42.34	6.74	−4 +2
3	30.40	30.73	+5 −7	32.61	20.10	+5 +2	36.98	11.22	−3 +5	42.53	6.67	−5 0
4	30.44	30.37	+6 −4	32.72	19.77	+3 +5	37.14	11.00	−4 +3	42.73	6.60	−4 −3
5	30.48	30.00	+6 0	32.83	19.44	0 +6	37.31	10.78	−5 +1	42.92	6.54	−3 −4
6	30.52	29.63	+4 +3	32.95	19.11	−2 +6	37.49	10.56	−4 −1	43.11	6.49	−1 −5
7	30.57	29.27	+2 +5	33.06	18.78	−3 +5	37.66	10.35	−4 −3	43.31	6.44	+1 −5
8	30.62	28.90	0 +6	33.18	18.46	−4 +3	37.83	10.14	−2 −4	43.50	6.40	+2 −3
9	30.67	28.54	−2 +6	33.30	18.14	−5 +1	38.01	9.94	0 −5	43.69	6.37	+3 −1
10	30.72	28.17	−4 +4	33.42	17.82	−4 −2	38.19	9.74	+1 −4	43.89	6.34	+4 +2
11	30.78	27.81	−5 +2	33.55	17.51	−3 −4	38.36	9.55	+3 −3	44.08	6.31	+3 +6
12	30.83	27.45	−5 0	33.68	17.20	−2 −5	38.54	9.36	+4 0	44.27	6.30	+1 +9
13	30.89	27.08	−4 −3	33.81	16.89	0 −5	38.73	9.18	+4 +4	44.46	6.29	−1 +10
14	30.96	26.72	−3 −4	33.94	16.59	+2 −4	38.91	9.00	+3 +7	44.66	6.28	−3 +10
15	31.02	26.36	−1 −5	34.08	16.28	+3 −2	39.09	8.83	+1 +9	44.85	6.28	−5 +8
16	31.09	26.00	+1 −5	34.21	15.98	+4 +1	39.28	8.66	−1 +10	45.04	6.29	−6 +4
17	31.16	25.64	+3 −4	34.35	15.69	+3 +4	39.46	8.50	−4 +9	45.23	6.30	−5 −1
18	31.23	25.29	+4 −1	34.49	15.39	+2 +7	39.65	8.34	−5 +5	45.42	6.32	−3 −5
19	31.31	24.93	+4 +2	34.63	15.10	0 +9	39.84	8.19	−5 +1	45.61	6.35	−1 −9
20	31.39	24.57	+3 +5	34.77	14.82	−2 +9	40.03	8.04	−4 −4	45.80	6.38	+2 −10
21	31.47	24.22	+2 +8	34.92	14.54	−4 +7	40.22	7.90	−2 −8	45.99	6.42	+5 −9
22	31.55	23.86	0 +9	35.07	14.26	−5 +3	40.41	7.77	+1 −10	46.17	6.47	+6 −7
23	31.63	23.51	−3 +8	35.22	13.98	−5 −1	40.60	7.64	+3 −10	46.36	6.52	+6 −3
24	31.72	23.16	−5 +5	35.37	13.71	−3 −6	40.79	7.51	+5 −9	46.54	6.57	+6 0
25	31.81	22.81	−5 +2	35.52	13.44	−1 −9	40.98	7.40	+7 −6	46.73	6.64	+4 +3
26	31.90	22.47	−5 −3	35.67	13.18	+2 −10	41.18	7.29	+6 −2	46.91	6.70	+2 +5
27	31.99	22.12	−3 −7	35.83	12.92	+4 −10	41.37	7.18	+5 +2	47.09	6.78	−1 +5
28	32.09	21.78	0 −10	35.99	12.66	+6 −7	41.56	7.08	+3 +4	47.27	6.86	−3 +4
29	32.19	21.44	+3 −10	36.15	12.41	+6 −4	41.76	6.99	0 +5	47.45	6.95	−4 +2
30	32.29	21.10	+5 −9	36.31	12.16	+6 0	41.95	6.90	−2 +5	47.63	7.04	−4 0
31	32.40	20.76	+6 −5	36.48	11.92	+4 +3	42.15	6.81	−3 +4	47.80	7.14	−4 −2
32				36.64	11.68	+2 +5				47.97	7.25	−3 −4

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+82° 52′ 0″	8.053	+7.991	+82° 52′ 10″	8.056	+7.994	+82° 52′ 30″	8.062	+8.000
10	8.056	+7.994	20	8.059	+7.997	40	8.065	+8.003

$\alpha_{1937.0} = 10^h\ 23^m\ 34^s.35$ $\delta_{1937.0} = +82°\ 52'\ 50''.32$

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

Ng) ε Ursae minoris $4^m.40$

Tag	Januar				Februar				März				April			
	AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder	
	16^h52^m	+82° 8′	in $0^s.01$	in $0''.01$	16^h52^m	+82° 8′	in $0^s.01$	in $0''.01$	16^h52^m	+82° 8′	in $0^s.01$	in $0''.01$	16^h52^m	+82° 8′	in $0^s.01$	in $0''.01$
1	$9^s.90$	$28''.31$	−2	−9	$12^s.90$	$19''.76$	+2	−4	$17^s.11$	$16''.38$	+2	−2	$21^s.88$	$18''.57$	+1	+8
2	9.96	27.98	0	−10	13.03	19.56	+2	−1	17.27	16.35	+2	+2	22.02	18.74	0	+9
3	10.02	27.65	+1	−9	13.16	19.36	+2	+3	17.43	16.33	+2	+5	22.16	18.91	−1	+7
4	10.08	27.33	+2	−6	13.30	19.17	+2	+6	17.59	16.32	+1	+7	22.29	19.09	−2	+5
5	10.15	27.01	+2	−3	13.44	18.99	+1	+8	17.75	16.31	0	+9	22.43	19.27	−2	+2
6	10.22	26.69	+2	+1	13.58	18.81	0	+9	17.91	16.31	−1	+8	22.56	19.46	−1	−2
7	10.29	26.38	+2	+4	13.72	18.63	−1	+8	18.07	16.32	−1	+7	22.69	19.66	−1	−5
8	10.37	26.07	+1	+7	13.86	18.46	−2	+6	18.23	16.33	−2	+4	22.81	19.86	+1	−8
9	10.44	25.76	0	+8	14.00	18.30	−2	+2	18.39	16.35	−2	0	22.94	20.06	+2	−8
10	10.52	25.45	−1	+9	14.15	18.14	−2	−1	18.55	16.38	−1	−3	23.06	20.27	+3	−7
11	10.61	25.15	−1	+7	14.30	17.99	−1	−5	18.71	16.41	0	−5	23.18	20.49	+3	−3
12	10.69	24.85	−2	+4	14.45	17.85	0	−8	18.87	16.45	+1	−8	23.30	20.71	+3	+1
13	10.78	24.55	−2	+1	14.60	17.71	+1	−9	19.03	16.50	+2	−8	23.42	20.93	+2	+5
14	10.87	24.26	−1	−3	14.75	17.58	+2	−7	19.19	16.55	+3	−6	23.53	21.16	+1	+8
15	10.96	23.97	−1	−6	14.90	17.45	+3	−4	19.35	16.61	+3	−2	23.65	21.39	−1	+9
16	11.05	23.69	0	−8	15.05	17.33	+3	0	19.51	16.68	+3	+2	23.76	21.63	−3	+8
17	11.15	23.41	+2	−8	15.21	17.22	+2	+4	19.66	16.75	+1	+6	23.87	21.87	−3	+4
18	11.25	23.13	+3	−6	15.36	17.12	+1	+8	19.82	16.83	0	+9	23.97	22.12	−4	0
19	11.35	22.86	+3	−3	15.52	17.02	−1	+9	19.97	16.92	−2	+9	24.08	22.37	−3	−4
20	11.46	22.59	+3	+2	15.67	16.92	−2	+8	20.13	17.01	−3	+7	24.18	22.62	−2	−8
21	11.57	22.33	+2	+6	15.83	16.84	−3	+5	20.28	17.10	−4	+3	24.28	22.88	−1	−10
22	11.68	22.07	0	+9	15.99	16.76	−4	+1	20.43	17.21	−4	−2	24.38	23.14	0	−9
23	11.79	21.82	−1	+9	16.15	16.69	−3	−3	20.58	17.32	−3	−5	24.48	23.41	+1	−8
24	11.91	21.57	−3	+7	16.31	16.62	−2	−7	20.73	17.43	−2	−8	24.57	23.68	+2	−5
25	12.02	21.33	−4	+4	16.47	16.56	−1	−9	20.88	17.55	0	−10	24.67	23.95	+2	−1
26	12.14	21.09	−4	−1	16.63	16.50	0	−9	21.02	17.68	+1	−9	24.75	24.23	+2	+3
27	12.26	20.85	−3	−5	16.79	16.46	+1	−8	21.17	17.81	+2	−6	24.84	24.50	+1	+6
28	12.39	20.63	−2	−8	16.95	16.42	+2	−5	21.32	17.95	+2	−3	24.92	24.79	+1	+8
29	12.51	20.40	−1	−10	17.11	16.38	+2	−2	21.46	18.10	+2	0	25.00	25.07	0	+9
30	12.64	20.18	0	−9					21.60	18.25	+2	+4	25.08	25.36	−1	+8
31	12.77	19.97	+2	−7					21.74	18.40	+1	+6	25.16	25.65	−1	+6
32	12.90	19.76	+2	−4					21.88	18.57	+1	+8				

δ	sec δ	tg δ	δ	sec δ	tg δ
+82° 8′ 10″	7.309	+7.240	+82° 8′ 20″	7.311	+7.243
20	7.311	+7.243	30	7.314	+7.245

$\alpha_{1937.0} = 16^h\ 52^m\ 21^s.18$ $\delta_{1937.0} = +82°\ 8'\ 38''.23$

Ng) ε Ursae minoris $4^m.40$

Tag	Mai AR.	Mai Dekl.	Mai ☾ Glieder		Juni AR.	Juni Dekl.	Juni ☾ Glieder	
	16^h52^m	+82° 8′	in $0^s.01$	in $0''.01$	16^h52^m	+82° 8′	in $0^s.01$	in $0''.01$
1	25.16	25.65	−1	+6	26.17	35.58	0	−6
2	25.23	25.95	−2	+3	26.16	35.91	+1	−8
3	25.30	26.25	−2	0	26.15	36.24	+2	−8
4	25.37	26.55	−1	−4	26.13	36.57	+3	−6
5	25.43	26.85	0	−7	26.11 26.08	36.90 37.23	+3 +3	−2 +2
6	25.50	27.16	+1	−8	26.06	37.55	+2	+6
7	25.56	27.47	+2	−7	26.03	37.88	+1	+9
8	25.61	27.78	+3	−5	26.00	38.20	−1	+9
9	25.67	28.09	+3	−1	25.97	38.53	−2	+7
10	25.72	28.40	+3	+3	25.93	38.85	−3	+4
11	25.77	28.71	+1	+7	25.89	39.17	−4	−1
12	25.82	29.03	0	+9	25.85	39.49	−3	−5
13	25.86	29.35	−2	+9	25.80	39.81	−2	−8
14	25.90	29.67	−3	+6	25.76	40.12	−1	−10
15	25.94	29.99	−4	+2	25.71	40.44	0	−9
16	25.98	30.31	−4	−3	25.65	40.75	+1	−7
17	26.01	30.64	−3	−6	25.60	41.06	+2	−4
18	26.04	30.96	−2	−9	25.54	41.37	+2	0
19	26.07	31.29	0	−10	25.48	41.67	+2	+3
20	26.09	31.61	+1	−9	25.42	41.98	+1	+6
21	26.11	31.94	+2	−6	25.35	42.28	0	+8
22	26.13	32.27	+2	−2	25.28	42.58	0	+8
23	26.15	32.60	+2	+1	25.21	42.88	−1	+7
24	26.16	32.93	+2	+4	25.14	43.18	−2	+5
25	26.17	33.26	+1	+7	25.07	43.47	−2	+2
26	26.18	33.60	0	+8	24.99	43.76	−2	−1
27	26.19	33.93	−1	+8	24.91	44.05	−1	−5
28	26.19	34.26	−1	+7	24.83	44.34	0	−7
29	26.19	34.59	−2	+4	24.74	44.62	+1	−8
30	26.19	34.92	−2	+1	24.65	44.90	+3	−7
31	26.18	35.25	−1	−3	24.56	45.18	+3	−4
32	26.17	35.58	0	−6				

Tag	Juli AR.	Juli Dekl.	Juli ☾ Glieder		August AR.	August Dekl.	August ☾ Glieder	
	16^h52^m	+82° 8′	in $0^s.01$	in $0''.01$	16^h52^m	+82° 8′	in $0^s.01$	in $0''.01$
1	24.56	45.18	+3	−4	20.73	52.01	+1	+9
2	24.47	45.46	+3	0	20.58	52.16	−1	+9
3	24.37	45.73	+3	+4	20.42	52.31	−2	+7
4	24.27	46.00	+1	+8	20.27	52.46	−3	+3
5	24.17	46.26	0	+9	20.11	52.60	−3	−1
6	24.07	46.52	−2	+9	19.96	52.74	−3	−5
7	23.96	46.78	−3	+6	19.80	52.87	−2	−8
8	23.86	47.04	−3	+1	19.64	53.00	−1	−10
9	23.75	47.29	−3	−3	19.48	53.12	+1	−9
10	23.64	47.54	−2	−7	19.32	53.24	+2	−7
11	23.53	47.78	−1	−9	19.16	53.35	+2	−3
12	23.41	48.02	0	−10	18.99	53.46	+2	+1
13	23.30	48.26	+1	−8	18.83	53.57	+2	+4
14	23.18	48.49	+2	−5	18.67	53.67	+1	+6
15	23.06	48.72	+2	−2	18.50	53.76	0	+8
16	22.93	48.94	+2	+2	18.33	53.85	−1	+8
17	22.81	49.17	+1	+5	18.16	53.93	−1	+7
18	22.68	49.38	+1	+7	17.99	54.01	−2	+4
19	22.55	49.60	0	+8	17.82	54.08	−2	+1
20	22.42	49.81	−1	+8	17.65	54.15	−2	−2
21	22.29	50.02	−2	+6	17.48	54.21	−1	−5
22	22.16	50.22	−2	+3	17.30	54.27	0	−7
23	22.02	50.42	−2	0	17.13	54.33	+1	−8
24	21.89	50.61	−1	−4	16.95	54.38	+3	−6
25	21.75	50.80	0	−6	16.78	54.42	+3	−3
26	21.61	50.99	+1	−8	16.60	54.46	+3	+1
27	21.47	51.17	+2	−7	16.43	54.49	+2	+5
28	21.32	51.35	+3	−5	16.25	54.52	+1	+8
29	21.18	51.52	+3	−2	16.08	54.54	0	+9
30	21.03	51.69	+3	+3	15.90	54.56	−2	+8
31	20.88	51.85	+2	+7	15.72	54.57	−3	+5
32	20.73	52.01	+1	+9	15.54	54.58	−3	+1

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+82° 8′ 20″	7.311	+7.243	+82° 8′ 30″	7.314	+7.245	+82° 8′ 50″	7.319	+7.250
30	7.314	+7.245	40	7.317	+7.248	60	7.322	+7.253

$\alpha_{1937.0} = 16^h\ 52^m\ 21^s.18$ $\delta_{1937.0} = +82°\ 8'\ 38''.23$

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

Ng) ε Ursae minoris $4^m.40$

Tag	September AR.	September Dekl.	September ☾ Glieder		Oktober AR.	Oktober Dekl.	Oktober ☾ Glieder		November AR.	November Dekl.	November ☾ Glieder		Dezember AR.	Dezember Dekl.	Dezember ☾ Glieder	
	16^h52^m	+82° 8′	in $0^s.01$	in $0''.01$	16^h52^m	+82° 8′	in $0^s.01$	in $0''.01$	16^h52^m	+82° 8′	in $0^s.01$	in $0''.01$	16^h52^m	+82° 8′	in $0^s.01$	in $0''.01$
	s	"			s	"			s	"			s	"		
1	15.54	54.58	−3	+1	10.25	52.50	−2	−9	5.70	45.91	+2	−4	3.24	36.39	+1	+5
2	15.36	54.59	−3	−4	10.08	52.35	0	−10	5.58	45.63	+2	0	3.20	36.04	0	+7
3	15.18	54.59	−2	−7	9.92	52.20	+1	−8	5.46	45.35	+2	+3	3.17	35.69	0	+8
4	15.00	54.58	−1	−9	9.75	52.04	+2	−6	5.35	45.07	+1	+6	*)3.13	35.34	−1	+7
5	14.82	54.57	0	−9	9.59	51.88	+2	−2	5.24	44.78	0	+8	3.10	34.99	−2	+5
6	14.64	54.55	+1	−7	9.42	51.72	+2	+1	5.12	44.49	−1	+8	3.08	34.64	−2	+3
7	14.47	54.53	+2	−4	9.26	51.55	+1	+5	5.02	44.20	−1	+7	3.05	34.28	−1	0
8	14.29	54.50	+2	−1	9.10	51.38	+1	+7	4.91	43.90	−2	+5	3.03	33.93	−1	−3
9	14.11	54.47	+2	+3	8.94	51.20	0	+8	4.81	43.60	−2	+2	3.01	33.57	0	−6
10	13.93	54.43	+1	+6	8.78	51.02	−1	+8	4.71	43.30	−1	−1	3.00	33.22	+1	−7
11	13.75	54.39	0	+7	8.63	50.83	−1	+6	4.61	42.99	−1	−4	2.99	32.86	+2	−7
12	13.57	54.34	0	+8	8.47	50.64	−2	+4	4.51	42.68	0	−7	2.99	32.51	+3	−5
13	13.39	54.29	−1	+7	8.31	50.44	−2	+1	4.42	42.37	+1	−7	2.98	32.16	+3	−2
14	13.22	54.23	−2	+5	8.16	50.24	−1	−3	4.33	42.06	+3	−6	2.98	31.80	+3	+3
15	13.04	54.17	−2	+3	8.01	50.03	0	−5	4.24	41.74	+3	−4	2.98	31.45	+2	+6
16	12.86	54.10	−2	−1	7.86	49.82	+1	−7	4.16	41.42	+3	0	2.98	31.10	+1	+8
17	12.68	54.03	−1	−4	7.71	49.61	+2	−7	4.08	41.10	+3	+4	2.99	30.74	−1	+9
18	12.51	53.95	0	−7	7.56	49.39	+3	−6	4.00	40.78	+1	+7	3.00	30.39	−2	+7
19	12.33	53.87	+1	−8	7.41	49.17	+3	−2	3.92	40.45	0	+9	3.02	30.04	−3	+3
20	12.15	53.78	+2	−7	7.27	48.94	+3	+2	3.85	40.13	−2	+8	3.04	29.69	−3	−1
21	11.98	53.69	+3	−5	7.13	48.71	+2	+5	3.78	39.79	−3	+6	3.06	29.34	−3	−5
22	11.80	53.60	+3	−1	6.99	48.48	+1	+8	3.72	39.46	−4	+1	3.08	28.99	−2	−9
23	11.63	53.50	+3	+3	6.85	48.24	−1	+9	3.65	39.13	−3	−3	3.11	28.65	−1	−10
24	11.46	53.39	+1	+7	6.71	48.00	−2	+7	3.59	38.79	−3	−7	3.14	28.30	0	−9
25	11.28	53.28	0	+9	6.58	47.75	−3	+4	3.53	38.45	−2	−9	3.17	27.96	+1	−7
26	11.11	53.16	−1	+8	6.45	47.50	−4	0	3.47	38.12	0	−9	3.20	27.61	+2	−3
27	10.94	53.04	−3	+6	6.31	47.24	−3	−5	3.42	37.77	+1	−8	3.24	27.27	+2	+1
28	10.76	52.91	−3	+2	6.19	46.98	−2	−8	3.37	37.43	+2	−5	3.28	26.93	+1	+4
29	10.59	52.78	−3	−2	6.06	46.72	−1	−10	3.32	37.08	+2	−1	3.33	26.59	+1	+6
30	10.42	52.64	−3	−6	5.94	46.45	0	−9	3.28	36.74	+2	+2	3.37	26.25	0	+8
31	10.25	52.50	−2	−9	5.81	46.18	+1	−7	3.24	36.39	+1	+5	3.43	25.92	−1	+8
32					5.70	45.91	+2	−4					3.48	25.59	−1	+6

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+82° 8′ 20″	7.311	+7.243	+82° 8′ 30″	7.314	+7.245	+82° 8′ 50″	7.319	+7.250
30	7.314	+7.245	40	7.317	+7.248	60	7.322	+7.253

$\alpha_{1937.0} = 16^h\ 52^m\ 21^s.18$ $\delta_{1937.0} = +82°\ 8'\ 38''.23$

*) Tag der doppelten unteren Kulmination: Dez. 4.

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

Nh) δ Ursae minoris $4^m.44$

Tag	Januar AR.	Januar Dekl.	Januar ☾ Glieder		Februar AR.	Februar Dekl.	Februar ☾ Glieder		März AR.	März Dekl.	März ☾ Glieder		April AR.	April Dekl.	April ☾ Glieder	
	$17^h 52^m$	+ 86° 36′	in $0^s.01$	in $0''.01$	$17^h 52^m$	+ 86° 36′	in $0^s.01$	in $0''.01$	$17^h 52^m$	+ 86° 36′	in $0^s.01$	in $0''.01$	$17^h 52^m$	+ 86° 36′	in $0^s.01$	in $0''.01$
1	$2^s.05$	$42''.18$	−8	−7	$6^s.00$	$32''.75$	+5	−5	$14^s.22$	$27''.53$	+6	−3	$25^s.32$	$27''.25$	+5	+7
2	2.07	41.84	−4	−9	6.23	32.49	+6	−2	14.57	27.42	+7	0	25.66	27.34	+2	+8
3	2.10	41.50	−1	−9	6.47	32.24	+7	+1	14.92	27.32	+7	+3	26.01	27.44	0	+8
4	2.14	41.17	+3	−7	6.71	31.99	+7	+4	15.27	27.23	+6	+6	26.35	27.54	−2	+6
5	2.18	40.83	+5	−4	6.96	31.75	+5	+7	15.62	27.14	+4	+8	26.70	27.65	−4	+3
6	2.23	40.51	+7	−1	7.21	31.51	+3	+8	15.98	27.06	+1	+8	27.03	27.77	−4	−1
7	2.29	40.18	+7	+3	7.47	31.28	0	+8	16.33	26.99	−1	+7	27.37	27.89	−4	−5
8	2.35	39.85	+6	+6	7.73	31.05	−3	+6	16.69	26.92	−3	+5	27.70	28.02	−1	−8
9	2.42	39.53	+4	+8	8.00	30.83	−5	+4	17.05	26.86	−5	+1	28.03	28.15	+2	−9
10	2.50	39.21	+2	+8	8.27	30.62	−5	0	17.40	26.81	−5	−2	28.36	28.29	+5	−8
11	2.59	38.88	−1	+8	8.55	30.41	−5	−4	17.76	26.76	−4	−6	28.69	28.43	+7	−5
12	2.69	38.57	−3	+6	8.83	30.20	−3	−7	18.13	26.72	−1	−8	29.01	28.58	+8	−1
13	2.79	38.25	−5	+2	9.12	30.00	0	−9	18.49	26.69	+2	−9	29.33	28.74	+7	+3
14	2.90	37.93	−6	−2	9.41	29.80	+4	−8	18.85	26.66	+5	−7	29.64	28.90	+4	+7
15	3.02	37.62	−4	−5	9.70	29.60	+7	−6	19.21	26.64	+8	−4	29.95	29.07	0	+9
16	3.14	37.31	−2	−8	10.00	29.42	+8	−2	19.58	26.62	+8	+1	30.26	29.24	−4	+9
17	3.27	37.00	+2	−9	10.30	29.24	+8	+3	19.94	26.61	+6	+5	30.56	29.41	−8	+7
18	3.41	36.70	+5	−8	10.61	29.06	+5	+7	20.30	26.61	+3	+8	30.86	29.60	−11	+3
19	3.55	36.39	+8	−5	10.92	28.89	+1	+9	20.66	26.62	−1	+9	31.16	29.78	−11	−1
20	3.70	36.09	+9	0	11.24	28.73	−3	+9	21.03	26.63	−6	+8	31.45	29.97	−9	−5
21	3.86	35.80	+8	+4	11.56	28.57	−7	+7	21.39	26.65	−9	+5	31.74	30.17	−6	−8
22	4.02	35.50	+4	+8	11.88	28.42	−10	+4	21.75	26.67	−11	+1	32.03	30.37	−3	−9
23	4.19	35.21	0	+10	12.21	28.27	−10	−1	22.11	26.70	−10	−3	32.31	30.58	+1	−8
24	4.37	34.92	−4	+9	12.54	28.13	−9	−5	22.47	26.74	−8	−7	32.59	30.79	+4	−6
25	4.55	34.64	−8	+6	12.87	28.00	−7	−8	22.83	26.78	−5	−9	32.86	31.01	+6	−3
26	4.74	34.36	−10	+2	13.20	27.87	−3	−9	23.19	26.83	−1	−9	33.13	31.23	+7	+1
27	4.94	34.08	−10	−2	13.54	27.75	+1	−8	23.55	26.89	+3	−7	33.39	31.45	+7	+4
28	5.14	33.81	−9	−6	13.88	27.64	+4	−6	23.91	26.95	+5	−5	33.65	31.68	+5	+7
29	5.34	33.54	−6	−8	14.22	27.53	+6	−3	24.26	27.02	+7	−1	33.90	31.91	+3	+8
30	5.56	33.27	−2	−9					24.62	27.09	+7	+2	34.15	32.15	+1	+8
31	5.77	33.01	+2	−8					24.97	27.17	+6	+5	34.39	32.39	−2	+7
32	6.00	32.75	+5	−5					25.32	27.25	+5	+7				

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+86° 36′ 20″	16.889	+16.860	+86° 36′ 30″	16.903	+16.873	+86° 36′ 40″	16.917	+16.887
30	16.903	+16.873	40	16.917	+16.887	50	16.931	+16.901

$\alpha_{1937.0} = 17^h\ 52^m\ 31^s.51$ $\delta_{1937.0} = +86°\ 36'\ 45''.15$

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

Nh) δ Ursae minoris $4^{m}.44$

Tag	Mai AR.	Mai Dekl.	Mai ☾ Glieder	Juni AR.	Juni Dekl.	Juni ☾ Glieder	Juli AR.	Juli Dekl.	Juli ☾ Glieder	August AR.	August Dekl.	August ☾ Glieder
	$17^{h}52^{m}$	+86° 36′	in 0.01^{s} | $0.01''$	$17^{h}52^{m}$	+86° 36′	in 0.01^{s} | $0.01''$	$17^{h}52^{m}$	+86° 36′	in 0.01^{s} | $0.01''$	$17^{h}52^{m}$	+86° 37′	in 0.01^{s} | $0.01''$
1	$34^{s}.39$	$32''.39$	−2 +7	$39^{s}.09$	$41''.41$	−3 −5	$37^{s}.72$	$51''.50$	+8 −6	$30^{s}.66$	$0''.07$	+5 +8
2	34.63	32.64	−3 +4	39.14	41.74	0 −8	37.58	51.81	+10 −2	30.35	0.30	+1 +9
3	34.86	32.89	−4 +1	39.19	42.07	+3 −8	37.43	52.12	+9 +2	30.04	0.52	−4 +8
4	35.09	33.14	−4 −3	39.23	42.39	+6 −8	37.27	52.43	+7 +6	29.72	0.74	−8 +5
5	35.31	33.40	−2 −7	39.26	42.72	+9 −5	37.11	52.74	+3 +9	29.40	0.96	−10 +1
6	35.53	33.66	+1 −8	39.29	43.05	+10 0	36.94	53.04	−2 +9	29.07	1.17	−10 −3
7	35.74	33.93	+4 −9	39.31	43.38	+8 +4	36.76	53.35	−6 +7	28.74	1.38	−8 −7
8	35.94	34.20	+7 −7	39.32	43.70	+5 +8	36.58	53.65	−9 +4	28.41	1.59	−5 −9
9	36.14	34.47	+9 −3	39.33	44.03	+1 +9	36.40	53.95	−10 0	28.07	1.79	−1 −9
10	36.34	34.74	+9 +1	39.33	44.36	−4 +9	36.21	54.24	−10 −5	27.73	1.99	+2 −7
11	36.52	35.02	+6 +5	39.32	44.69	−8 +6	36.01	54.54	−7 −8	27.39	2.18	+4 −4
12	36.70	35.30	+3 +8	39.31	45.02	−11 +2	35.81	54.83	−4 −9	27.04	2.37	+6 −1
13	36.88	35.59	−2 +9	39.29	45.35	−11 −2	35.60	55.12	0 −8	26.69	2.56	+6 +2
14	37.05	35.88	−7 +8	39.27	45.68	−9 −6	35.38	55.41	+3 −6	26.33	2.74	+5 +5
15	37.22	36.16	−10 +5	39.24	46.01	−6 −8	35.16	55.69	+5 −3	25.97	2.92	+3 +7
16	37.37	36.46	−11 0	39.20	46.34	−3 −9	34.94	55.97	+6 0	25.61	3.09	+1 +8
17	37.53	36.75	−11 −4	39.15	46.66	+1 −8	34.71	56.25	+6 +4	25.25	3.26	−1 +7
18	37.67	37.05	−8 −7	39.10	46.99	+4 −5	34.47	56.53	+4 +6	24.88	3.42	−4 +5
19	37.81	37.35	−5 −9	39.04	47.32	+6 −2	34.23	56.80	+2 +8	24.51	3.58	−5 +2
20	37.95	37.65	−1 −9	38.98 38.91	47.65 47.97	+6 +2 +6 +5	33.99	57.07	0 +8	24.13	3.74	−5 −1
21	38.08	37.95	+3 −7	38.83	48.30	+4 +7	33.74	57.34	−2 +7	23.75	3.89	−4 −5
22	38.20	38.26	+5 −4	38.75	48.62	+2 +8	33.48	57.61	−4 +4	23.37	4.04	−2 −7
23	38.32	38.57	+6 0	38.66	48.95	−1 +7	33.22	57.87	−5 +1	22.99	4.18	+1 −8
24	38.43	38.88	+6 +3	38.56	49.27	−3 +6	32.96	58.13	−5 −2	22.60	4.32	+5 −8
25	38.54	39.19	+5 +6	38.46	49.59	−4 +3	32.69	58.38	−3 −6	22.21	4.45	+7 −5
26	38.64	39.50	+3 +7	38.35	49.91	−5 0	32.41	58.63	0 −8	21.82	4.58	+9 −1
27	38.73	39.82	+1 +8	38.23	50.23	−4 −4	32.13	58.88	+3 −8	21.43	4.71	+8 +3
28	38.81	40.13	−1 +7	38.11	50.55	−2 −7	31.85	59.13	+6 −7	21.03	4.83	+6 +7
29	38.89	40.45	−3 +5	37.99	50.87	+1 −9	31.56	59.37	+9 −4	20.63	4.95	+2 +9
30	38.96	40.77	−4 +2	37.86	51.18	+5 −8	31.26	59.61	+9 0	20.23	5.06	−3 +9
31	39.03	41.09	−4 −2	37.72	51.50	+8 −6	30.96	59.84	+8 +5	19.83	5.17	−7 +7
32	39.09	41.41	−3 −5				30.66	60.07	+5 +8	19.42	5.27	−9 +3

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+86° 36′ 30″	16.903	+16.873	+86° 36′ 40″	16.917	+16.887	+86° 37′ 0″	16.945	+16.915
40	16.917	+16.887	50	16.931	+16.901	10	16.958	+16.929

$\alpha_{1937.0} = 17^{h}\ 52^{m}\ 31^{s}.51$ $\delta_{1937.0} = +86°\ 36'\ 45''.15$

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

Nh) δ Ursae minoris $4^{m}.44$

Tag	September				Oktober				November				Dezember			
	AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder	
		+	in			+	in			+	in			+	in	
	17^h52^m	86° 37′	$0^s.01$	$0''.01$	17^h51^m	86° 37′	$0^s.01$	$0''.01$	17^h51^m	86° 36′	$0^s.01$	$0''.01$	17^h51^m	86° 36′	$0^s.01$	$0''.01$
1	$19^s.42$	$5''.27$	−9	+3	$66^s.74$	$6''.11$	−7	−7	$54^s.40$	$62''.33$	+4	−5	$45^s.90$	$54''.76$	+5	+4
2	19.01	5.37	−10	−1	66.31	6.06	−4	−9	54.04	62.13	+6	−1	45.71	54.45	+4	+6
3	18.60	5.47	−9	−5	65.88	6.01	0	−8	53.69	61.93	+6	+2	45.52	54.15	+2	+8
4	18.19	5.56	−6	−8	65.46	5.95	+3	−7	53.35	61.72	+5	+5	45.33	53.84	−1	+8
5	17.78	5.64	−3	−9	65.04	5.89	+5	−3	53.01	61.51	+3	+7	45.16	53.53	−2	+6
6	17.37	5.72	+1	−8	64.62	5.82	+6	0	52.68	61.30	+1	+8	44.99	53.22	−4	+4
7	16.95	5.79	+4	−5	64.20	5.74	+6	+3	52.35	61.08	−1	+7	44.83	52.90	−5	+1
8	16.53	5.86	+6	−2	63.78	5.66	+5	+6	52.02	60.86	−3	+6	44.67	52.58	−4	−2
9	16.11	5.92	+6	+1	63.36	5.58	+3	+7	51.70	60.63	−4	+3	44.52	52.26	−2	−6
10	15.69	5.98	+6	+5	62.94	5.49	0	+8	51.38	60.40	−4	0	44.38	51.94	0	−8
11	15.27	6.04	+4	+7	62.53	5.40	−2	+7	51.06	60.17	−3	−4	44.24	51.61	+4	−8
12	14.85	6.09	+2	+8	62.12	5.30	−4	+5	50.75	59.93	−1	−7	44.11	51.29	+7	−7
13	14.43	6.13	0	+8	61.71	5.20	−4	+2	50.45	59.69	+2	−8	43.99	50.96	+9	−4
14	14.00	6.17	−2	+6	61.30	5.09	−4	−2	50.15	59.45	+5	−8	43.88	50.64	+10	0
15	13.58	6.21	−4	+4	60.90	4.98	−3	−5	49.86	59.20	+8	−6	43.77	50.31	+9	+4
16	13.15	6.24	−5	0	60.49	4.86	−1	−7	49.57	58.94	+9	−2	43.66	49.98	+5	+7
17	12.73	6.26	−4	−3	60.09	4.73	+3	−8	49.29	58.69	+9	+2	43.57	49.65	+1	+9
18	12.30	6.28	−3	−6	59.69	4.60	+6	−7	49.01	58.43	+7	+6	43.48	49.32	−4	+8
19	11.87	6.30	0	−8	59.29	4.47	+8	−5	48.74	58.17	+3	+8	*)43.40	48.98	−8	+5
20	11.44	6.31	+3	−8	58.90	4.33	+9	−1	48.47	57.90	−2	+9	43.33	48.65	−10	+1
21	11.01	6.32	+6	−7	58.51	4.19	+8	+4	48.20	57.63	−6	+7	43.26	48.31	−10	−3
22	10.58	6.32	+8	−3	58.12	4.04	+5	+7	47.95	57.36	−10	+4	43.20	47.98	−9	−7
23	10.15	6.32	+8	+1	57.73	3.89	+1	+9	47.70	57.08	−11	0	43.15	47.64	−6	−9
24	9.73	6.31	+7	+5	57.35	3.73	−4	+9	47.45	56.80	−10	−4	43.11	47.31	−2	−9
25	9.30	6.30	+3	+8	56.97	3.57	−8	+6	47.21	56.52	−8	−8	43.07	46.97	+1	−7
26	8.87	6.28	−1	+9	56.59	3.41	−10	+2	46.98	56.23	−4	−9	43.04	46.64	+4	−4
27	8.44	6.25	−5	+8	56.22	3.24	−11	−2	46.75	55.94	0	−8	43.02	46.30	+5	0
28	8.02	6.22	−9	+5	55.85	3.07	−9	−6	46.53	55.65	+3	−6	43.01	45.97	+5	+3
29	7.59	6.19	−10	0	55.48	2.89	−6	−8	46.31	55.36	+5	−3	43.00	45.63	+4	+6
30	7.16	6.15	−10	−4	55.11	2.71	−2	−9	46.10	55.06	+5	+1	43.00	45.30	+2	+7
31	6.74	6.11	−7	−7	54.75	2.52	+1	−8	45.90	54.76	+5	+4	43.01	44.96	0	+8
32					54.40	2.33	+4	−5					43.02	44.62	−2	+7

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+86° 36′ 40″	16.917	+16.887	+86° 36′ 50″	16.931	+16.901	+86° 37′ 0″	16.945	+16.915
50	16.931	+16.901	60	16.945	+16.915	10	16.958	+16.929

$\alpha_{1937.0} = 17^h\ 52^m\ 31^s.51$ $\delta_{1937.0} = +86°\ 36'\ 45''.15$

*) Tag der doppelten unteren Kulmination: Dez. 19.

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

Ni) λ Ursae minoris $6^m.55$

Tag	Januar AR.	Januar Dekl.	Januar ☾ Glieder		Februar AR.	Februar Dekl.	Februar ☾ Glieder		März AR.	März Dekl.	März ☾ Glieder		April AR.	April Dekl.	April ☾ Glieder	
	18^h36^m	$+89°\ 2'$	in $0.^s01$	$0.''01$	18^h36^m	$+89°\ 2'$	in $0.^s01$	$0.''01$	18^h36^m	$+89°\ 2'$	in $0.^s01$	$0.''01$	18^h37^m	$+89°\ 2'$	in $0.^s01$	$0.''01$
	s	"			s	"			s	"			s	"		
1	11.84	32.27	−36	−6	17.75	22.55	+14	−6	41.82	16.14	+21	−4	19.51	14.01	+25	+6
2	11.65	31.94	−24	−8	18.34	22.26	+24	−3	42.92	15.98	+28	−1	20.76	14.04	+16	+7
3	11.48	31.62	−9	−8	18.95	21.98	+28	0	44.04	15.83	+30	+2	22.02	14.07	+6	+7
4	11.33	31.30	+5	−7	19.59	21.70	+29	+3	45.16	15.68	+28	+5	23.27	14.11	−5	+6
5	11.21	30.97	+18	−5	20.24	21.43	+25	+6	46.30	15.54	+21	+7	24.52	14.16	−13	+3
6	11.11	30.65	+26	−2	20.92	21.16	+17	+7	47.44	15.40	+12	+8	25.76	14.21	−18	0
7	11.04	30.32	+30	+1	21.62	20.89	+6	+8	48.60	15.27	+1	+7	27.00	14.27	−18	−4
8	11.00	30.00	+28	+4	22.34	20.63	−5	+7	49.76	15.15	−10	+5	28.24	14.34	−11	−7
9	10.99	29.68	+22	+7	23.09	20.37	−15	+4	50.94	15.03	−18	+2	29.47	14.41	0	−9
10	11.00	29.35	+13	+8	23.86	20.12	−22	+1	52.13	14.92	−21	−1	30.69	14.49	+13	−9
11	11.04	29.03	+1	+8	24.64	19.87	−23	−3	53.32	14.81	−19	−5	31.90	14.58	+24	−7
12	11.10	28.70	−10	+6	25.44	19.62	−17	−7	54.52	14.71	−10	−8	33.11	14.67	+31	−3
13	11.19	28.38	−19	+3	26.26	19.38	−6	−9	55.73	14.62	+2	−9	34.31	14.77	+30	+2
14	11.31	28.06	−24	−1	27.11	19.14	+8	−9	56.95	14.53	+15	−8	35.50	14.87	+22	+6
15	11.45	27.73	−21	−5	27.97	18.91	+21	−7	58.17	14.45	+26	−5	36.69	14.98	+7	+9
16	11.62	27.41	−13	−8	28.84	18.68	+30	−4	59.40	14.38	+31	−1	37.87	15.09	−11	+10
17	11.81	27.10	0	−9	29.74	18.45	+32	+1	60.64	14.31	+28	+4	39.04	15.21	−27	+8
18	12.03	26.78	+15	−9	30.66	18.23	+26	+5	61.88	14.25	+17	+8	40.20	15.34	−39	+5
19	12.28	26.46	+27	−6	31.59	18.02	+13	+9	63.13	14.19	+1	+10	41.35	15.47	−44	+1
20	12.55	26.15	+34	−2	32.54	17.81	−4	+10	64.38	14.14	−16	+10	42.49	15.61	−41	−3
21	12.85	25.84	+33	+3	33.51	17.60	−21	+9	65.63	14.10	−31	+7	43.62	15.75	−31	−7
22	13.17	25.53	+24	+7	34.50	17.40	−34	+5	66.89	14.06	−40	+3	44.74	15.90	−17	−8
23	13.52	25.22	+8	+9	35.50	17.20	−41	+1	68.14	14.03	−42	−1	45.85	16.05	−2	−8
24	13.89	24.91	−10	+10	36.52	17.01	−39	−3	69.40	14.00	−36	−5	46.94	16.21	+11	−6
25	14.29	24.61	−26	+8	37.55	16.82	−31	−6	70.66	13.98	−24	−8	48.03	16.37	+21	−4
26	14.71	24.31	−37	+4	38.60	16.64	−18	−8	71.93	13.97	−10	−8	49.10	16.54	+27	0
27	15.16	24.01	−41	0	39.66	16.47	−4	−8	73.19	13.96	+5	−8	50.15	16.71	+28	+3
28	15.63	23.71	−37	−4	40.74	16.30	+10	−7	74.46	13.96	+17	−6	51.20	16.89	+25	+5
29	16.12	23.42	−27	−7	41.82	16.14	+21	−4	75.72	13.96	+25	−2	52.23	17.07	+18	+7
30	16.64	23.12	−14	−8					76.98	13.97	+29	+1	53.24	17.26	+9	+8
31	17.18	22.83	+1	−8					78.25	13.99	+29	+4	54.24	17.45	−2	+7
32	17.75	22.55	+14	−6					79.51	14.01	+25	+6				

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+89° 2′ 10″	59.445	+59.437	+89° 2′ 20″	59.617	+59.608	+89° 2′ 30″	59.790	+59.781
20	59.617	+59.608	30	59.790	+59.781	40	59.964	+59.955

$\alpha_{1937.0} = 18^h\ 37^m\ 58^s.97$ $\delta_{1937.0} = +89°\ 2'\ 29''.89$

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

Ni) λ Ursae minoris $6^m.55$

Tag	Mai AR.	Mai Dekl.	Mai ☾ Glieder		Juni AR.	Juni Dekl.	Juni ☾ Glieder		Juli AR.	Juli Dekl.	Juli ☾ Glieder		August AR.	August Dekl.	August ☾ Glieder	
	18^h37^m	+89° 2′	in 0.01 s	in 0.01″	18^h38^m	+89° 2′	in 0.01 s	in 0.01″	18^h38^m	+89° 2′	in 0.01 s	in 0.01″	18^h37^m	+89° 2′	in 0.01 s	in 0.01″
1	54.24	17.45	−2	+7	16.66	25.40	−16	−5	19.15 / 18.89	35.08 / 35.41	+13 / +27	−9 / −7	60.18	44.96	+25	+7
2	55.23	17.65	−10	+4	17.06	25.70	−7	−8	18.60	35.74	+36	−4	59.26	45.23	+9	+9
3	56.20	17.85	−16	+1	17.45	26.01	+5	−9	18.29	36.07	+38	0	58.33	45.50	−9	+9
4	57.16	18.06	−17	−2	17.81	26.31	+19	−9	17.96	36.39	+32	+5	57.37	45.77	−25	+7
5	58.10	18.27	−13	−6	18.15	26.62	+31	−6	17.61	36.72	+18	+8	56.40	46.04	−36	+3
6	59.02	18.49	−3	−9	18.47	26.94	+37	−2	17.23	37.05	+1	+9	55.41	46.30	−40	−1
7	59.93	18.71	+10	−9	18.77	27.25	+35	+2	16.83	37.38	−18	+8	54.41	46.56	−36	−5
8	60.82	18.93	+23	−8	19.04	27.57	+25	+7	16.41	37.70	−33	+5	53.39	46.82	−25	−8
9	61.70	19.16	+32	−5	19.30	27.88	+9	+9	15.97	38.02	−41	+1	52.35	47.08	−11	−8
10	62.56	19.39	+34	0	19.53	28.20	−10	+9	15.51	38.34	−41	−3	51.30	47.33	+2	−7
11	63.40	19.63	+29	+4	19.73	28.53	−28	+7	15.02	38.66	−34	−6	50.23	47.58	+14	−5
12	64.22	19.87	+16	+8	19.92	28.85	−40	+4	14.51	38.98	−22	−8	49.14	47.83	+22	−2
13	65.03	20.11	−2	+10	20.08	29.18	−44	0	13.99	39.29	−8	−8	48.04	48.07	+25	+1
14	65.82	20.36	−20	+9	20.22	29.50	−41	−4	13.44	39.61	+5	−6	46.92	48.31	+23	+4
15	66.58	20.61	−36	+6	20.34	29.83	−31	−7	12.88	39.92	+17	−4	45.79	48.54	+18	+6
16	67.33	20.87	−44	+2	20.44	30.15	−17	−8	12.29	40.23	+23	−1	44.64	48.77	+10	+7
17	68.07	21.13	−45	−2	20.51	30.48	−2	−8	11.68	40.54	+24	+3	43.48	49.00	0	+7
18	68.78	21.39	−37	−5	20.56	30.81	+11	−6	11.05	40.85	+21	+5	42.31	49.22	−10	+6
19	69.47	21.66	−25	−8	20.58	31.14	+20	−3	10.40	41.16	+15	+7	41.12	49.44	−17	+3
20	70.15	21.93	−10	−8	20.59	31.46	+25	+1	9.73	41.47	+6	+8	39.92	49.66	−21	0
21	70.80	22.20	+5	−7	20.57	31.79	+25	+4	9.04	41.77	−4	+7	38.71	49.87	−20	−4
22	71.44	22.48	+17	−5	20.53	32.12	+20	+6	8.33	42.07	−13	+5	37.48	50.08	−13	−7
23	72.05	22.76	+24	−1	20.47	32.45	+13	+7	7.60	42.37	−20	+2	36.24	50.28	−2	−9
24	72.64	23.04	+27	+2	20.38	32.78	+3	+7	6.86	42.67	−21	−1	34.98	50.48	+12	−9
25	73.22	23.32	+25	+5	20.27	33.11	−7	+6	6.09	42.97	−18	−5	33.71	50.68	+24	−7
26	73.77	23.61	+19	+7	20.14	33.44	−15	+4	5.30	43.26	−8	−8	32.43	50.87	+32	−3
27	74.31	23.90	+11	+8	19.99	33.77	−20	+1	4.49	43.55	+5	−9	31.13	51.06	+34	+1
28	74.82	24.20	+1	+7	19.81	34.10	−19	−3	3.67	43.83	+19	−8	29.83	51.25	+28	+5
29	75.31	24.50	−9	+6	19.62	34.43	−13	−6	2.82	44.12	+31	−6	28.51	51.43	+14	+8
30	75.78	24.79	−15	+3	19.40	34.75	−1	−9	1.96	44.40	+37	−1	27.18	51.61	−3	+9
31	76.23	25.09	−18	−1	19.15 / 18.89	35.08 / 35.41	+13 / +27	−9 / −7	1.08	44.68	+34	+3	25.84	51.78	−20	+8
32	76.66	25.40	−16	−5					0.18	44.96	+25	+7	24.49	51.95	−33	+5

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+89° 2′ 10″	59.445	+59.437	+89° 2′ 30″	59.790	+59.781	+89° 2′ 50″	60.138	+60.130
20	59.617	+59.608	40	59.964	+59.955	60	60.314	+60.306

$\alpha_{1937.0} = 18^h\ 37^m\ 58^s.97$ $\delta_{1937.0} = +89^\circ\ 2'\ 29''.89$

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

Ni) λ Ursae minoris $6^m.55$

Tag	September AR.	September Dekl.	September ☾ Glieder	Oktober AR.	Oktober Dekl.	Oktober ☾ Glieder	November AR.	November Dekl.	November ☾ Glieder	Dezember AR.	Dezember Dekl.	Dezember ☾ Glieder
	18^h36^m	+89° 2′	in $0^s.01$ | $0''.01$	18^h35^m	+89° 2′	in $0^s.01$ | $0''.01$	18^h35^m	+89° 2′	in $0^s.01$ | $0''.01$	18^h34^m	+89° 2′	in $0^s.01$ | $0''.01$
1	$84^s.49$	$51''.95$	−33 +5	$100^s.48$	$54''.96$	−33 −6	$54^s.15$	$53''.44$	+13 −5	$78^s.22$	$47''.59$	+23 +3
2	83.13	52.12	−39 0	98.95	54.99	−22 −8	52.76	53.31	+21 −2	77.28	47.33	+19 +6
3	81.76	52.28	−37 −3	97.41	55.01	−7 −8	51.37	53.18	+25 +1	76.37	47.07	+12 +7
4	80.38	52.44	−29 −7	95.88	55.02	+7 −7	49.99	53.04	+23 +4	75.48	46.81	+4 +8
5	78.99	52.59	−16 −8	94.35	55.03	+18 −4	48.63	52.90	+18 +6	74.61	46.54	−5 +7
6	77.59	52.74	−1 −8	92.81	55.03	+24 −1	47.28	52.75	+10 +7	73.76	46.27	−12 +5
7	76.19	52.88	+11 −6	91.28	55.03	+25 +2	45.94	52.60	+2 +7	72.93	45.99	−17 +2
8	74.77	53.02	+20 −3	89.74	55.03	+23 +5	44.61	52.44	−7 +6	72.13	45.71	−18 −2
9	73.35	53.16	+25 0	88.21	55.02	+17 +7	43.29	52.28	−14 +3	71.35	45.43	−13 −5
10	71.92	53.29	+25 +3	86.68	55.01	+8 +7	41.99	52.11	−17 0	70.59	45.14	−4 −8
11	70.48	53.41	+20 +6	85.15	54.99	−1 +7	40.70	51.94	−16 −3	69.85	44.86	+9 −9
12	69.03	53.53	+13 +7	83.63	54.97	−10 +5	39.42	51.76	−10 −6	69.13	44.57	+22 −8
13	67.57	53.65	+4 +8	82.10	54.94	−16 +2	38.16	51.58	+1 −8	68.44	44.28	+33 −6
14	66.11	53.76	−5 +6	80.58	54.91	−18 −1	36.91	51.39	+13 −9	67.77	43.98	+39 −2
15	64.64	53.87	−13 +4	79.06	54.87	−16 −4	35.68	51.20	+26 −7	67.12	43.69	+37 +2
16	63.16	53.97	−19 +1	77.55	54.83	−8 −7	34.46	51.00	+34 −4	66.50	43.39	+26 +6
17	61.68	54.07	−20 −2	76.04	54.78	+3 −9	33.26	50.80	+36 0	65.90	43.08	+10 +9
18	60.19	54.16	−15 −6	74.54	54.72	+16 −8	32.08	50.60	+30 +4	65.33	42.78	−9 +9
19	58.70	54.25	−6 −8	73.04	54.66	+27 −6	30.91	50.39	+17 +8	64.78	42.47	−26 +7
20	57.20	54.33	+6 −9	71.55	54.59	+33 −2	29.76	50.18	−1 +9	64.26	42.17	−38 +3
21	55.70	54.41	+19 −8	70.06	54.52	+32 +2	28.62	49.97	−19 +8	63.76	41.86	−43 −1
22	54.19	54.49	+29 −5	68.58	54.45	+23 +6	27.50	49.75	−34 +6	63.28	41.54	−39 −5
23	52.68	54.56	+33 0	67.10	54.37	+9 +9	26.39	49.53	−42 +2	62.83	41.23	−29 −7
24	51.17	54.63	+29 +4	65.63	54.29	−9 +9	25.30	49.30	−43 −2	62.40	40.92	−15 −8
25	49.65	54.69	+18 +7	64.17	54.20	−26 +8	24.24	49.07	−35 −6	62.00	40.60	0 −7
26	48.13	54.75	+2 +9	62.71	54.10	−38 +4	23.19	48.83	−22 −8	61.63	40.28	+12 −5
27	46.60	54.80	−15 +9	61.26	54.00	−42 0	22.15	48.59	−7 −8	61.28	39.96	+19 −1
28	45.08	54.85	−30 +6	59.82	53.90	−39 −4	21.14	48.35	+6 −6	60.96	39.63	+22 +2
29	43.55	54.89	−39 +2	58.39	53.79	−29 −7	20.15	48.10	+17 −3	60.66	39.31	+19 +5
30	42.02	54.93	−40 −2	56.97	53.68	−15 −8	19.17	47.85	+22 0	*)60.39	38.98	+13 +7
31	40.48	54.96	−33 −6	55.56	53.56	0 −8	18.22	47.59	+23 +3	60.15	38.66	+5 +8
32				54.15	53.44	+13 −5				59.93	38.33	−4 +7

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+89° 2′ 30″	59.790	+59.781	+89° 2′ 40″	59.964	+59.955	+89° 2′ 50″	60.138	+60.130
40	59.964	+59.955	50	60.138	+60.130	60	60.314	+60.306

$\alpha_{1937.0} = 18^h\ 37^m\ 58^s.97$ $\delta_{1937.0} = +89°\ 2'\ 29''.89$

*) Tag der doppelten unteren Kulmination: Dez. 30.

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

Nk) 76 Draconis $5^{m}.69$

Tag	Januar AR.	Januar Dekl.	Januar ☾ Glieder		Februar AR.	Februar Dekl.	Februar ☾ Glieder		März AR.	März Dekl.	März ☾ Glieder		April AR.	April Dekl.	April ☾ Glieder	
	20^h47^m	+ $82°\ 18'$	in $0^s.01$	$0''.01$	20^h47^m	+ $82°\ 17'$	in $0^s.01$	$0''.01$	20^h47^m	+ $82°\ 17'$	in $0^s.01$	$0''.01$	20^h47^m	+ $82°\ 17'$	in $0^s.01$	$0''.01$
1	$6^s.54$	$15''.02$	−4	0	$4^s.85$	$65''.70$	−1	−7	$5^s.87$	$56''.89$	0	−7	$9^s.45$	$50''.05$	+3	+2
2	6.44	14.76	−4	−4	*)4.84	65.37	+1	−6	5.95	56.60	+2	−5	9.60	49.91	+3	+4
3	6.34	14.50	−3	−6	4.84	65.04	+2	−4	6.03	56.32	+3	−2	9.75	49.78	+2	+6
4	6.25	14.23	−2	−7	4.84	64.72	+3	−1	6.12	56.04	+3	0	9.90	49.65	+1	+6
5	6.16	13.96	0	−7	4.85	64.39	+3	+1	6.21	55.76	+3	+3	10.05	49.53	0	+5
6	6.07	13.69	+1	−5	4.86	64.06	+3	+4	6.30	55.49	+3	+5	10.20	49.42	−1	+2
7	5.99	13.42	+2	−3	4.87	63.74	+3	+6	6.39	55.22	+2	+6	10.35	49.31	−2	−1
8	5.91	13.14	+3	0	4.88	63.41	+1	+6	6.49	54.96	+1	+6	10.51	49.21	−3	−5
9	5.83	12.86	+3	+3	4.90	63.08	0	+6	6.59	54.70	−1	+4	10.66	49.11	−3	−8
10	5.75	12.57	+3	+5	4.91	62.76	−1	+3	6.69	54.45	−2	+1	10.82	49.02	−2	−9
11	5.68	12.28	+2	+6	4.93	62.43	−2	0	6.79	54.20	−3	−2	10.97	48.93	0	−9
12	5.61	11.99	+1	+6	4.96	62.11	−3	−4	6.90	53.95	−3	−6	11.13	48.85	+1	−6
13	5.54	11.69	0	+5	4.99	61.79	−3	−7	7.01	53.71	−2	−8	11.29	48.78	+3	−2
14	5.48	11.39	−2	+2	5.02	61.47	−2	−9	7.12	53.47	−1	−9	11.45	48.72	+3	+2
15	5.42	11.09	−3	−1	5.06	61.15	0	−9	7.23	53.24	0	−8	11.61	48.66	+3	+7
16	5.36	10.78	−3	−5	5.10	60.83	+1	−7	7.35	53.01	+2	−5	11.77	48.60	+2	+10
17	5.31	10.48	−3	−8	5.14	60.51	+3	−3	7.47	52.78	+3	0	11.93	48.56	0	+11
18	5.26	10.17	−1	−10	5.19	60.20	+3	+1	7.59	52.56	+3	+4	12.10	48.52	−2	+9
19	5.21	9.86	0	−9	5.23	59.89	+3	+6	7.71	52.35	+3	+8	12.26	48.48	−3	+6
20	5.16	9.55	+2	−6	5.28	59.57	+2	+9	7.83	52.14	+1	+10	12.42	48.45	−4	+2
21	5.12	9.23	+3	−2	5.33	59.26	+1	+10	7.95	51.94	0	+10	12.58	48.43	−4	−2
22	5.08	8.92	+3	+3	5.39	58.96	−1	+9	8.08	51.74	−2	+8	12.75	48.41	−3	−5
23	5.04	8.60	+3	+7	5.45	58.66	−2	+6	8.21	51.55	−3	+5	12.91	48.40	−2	−7
24	5.01	8.28	+2	+10	5.51	58.36	−4	+3	8.34	51.36	−4	0	13.08	48.40	−1	−7
25	4.98	7.96	0	+10	5.58	58.06	−4	−1	8.47	51.18	−4	−3	13.24	48.40	0	−6
26	4.95	7.64	−2	+9	5.65	57.76	−3	−4	8.61	51.00	−3	−6	13.41	48.41	+2	−4
27	4.93	7.32	−3	+5	5.72	57.47	−3	−7	8.74	50.82	−2	−7	13.57	48.43	+3	−1
28	4.91	7.00	−4	+1	5.80	57.18	−1	−7	8.88	50.66	0	−7	13.73	48.45	+3	+1
29	4.89	6.68	−4	−3	5.87	56.89	0	−7	9.02	50.50	+1	−5	13.90	48.48	+3	+4
30	4.87	6.35	−3	−5					9.16	50.34	+2	−3	14.06	48.51	+3	+5
31	4.86	6.02	−2	−7					9.31	50.19	+3	0	14.22	48.55	+2	+6
32	4.85	5.70	−1	−7					9.45	50.05	+3	+2				

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+82° 17′ 40″	7.458	+7.391	+82° 17′ 50″	7.461	+7.393	+82° 18′ 10″	7.466	+7.399
50	7.461	+7.393	60	7.463	+7.396	20	7.469	+7.402

$\alpha_{1937.0} = 20^h\ 47^m\ 16^s.18$ $\delta_{1937.0} = +82°\ 17'\ 58''.72$

*) Tag der doppelten unteren Kulmination: Febr. 2.

Nk) 76 Draconis $5^m.69$

Tag	Mai AR.	Mai Dekl.	Mai ☾ Glieder	Juni AR.	Juni Dekl.	Juni ☾ Glieder	Juli AR.	Juli Dekl.	Juli ☾ Glieder	August AR.	August Dekl.	August ☾ Glieder
	20^h47^m	+82° 17′	in $0^s.01$ | $0''.01$	20^h47^m	+82° 17′	in $0^s.01$ | $0''.01$	20^h47^m	+82° 18′	in $0^s.01$ | $0''.01$	20^h47^m	+82° 18′	in $0^s.01$ | $0''.01$
1	14.22	48.55	+2 +6	18.94	52.71	−2 −2	22.04	1.04	−2 −10	22.95	12.00	+3 −2
2	14.39	48.60	0 +5	19.08	52.93	−3 −6	22.11	1.37	0 −10	22.94	12.37	+4 +3
3	14.55	48.65	−1 +3	19.21	53.15	−2 −9	22.18	1.70	+1 −8	22.92 22.90	12.73 13.10	+3 +7 +2 +9
4	14.71	48.71	−2 0	19.34	53.38	−1 −10	22.24	2.04	+3 −5	22.88	13.46	0 +9
5	14.87	48.78	−3 −4	19.47	53.62	0 −10	22.30	2.37	+4 0	22.86	13.82	−2 +7
6	15.04	48.85	−3 −7	19.59	53.86	+2 −7	22.36	2.71	+4 +5	22.83	14.19	−3 +4
7	15.20	48.93	−2 −10	19.71	54.10	+3 −2	22.41	3.05	+3 +8	22.80	14.55	−4 0
8	15.36	49.01	−1 −10	19.83	54.34	+4 +2	22.47	3.39	+1 +10	22.77	14.91	−4 −3
9	15.52	49.10	+1 −8	19.95	54.59	+3 +7	22.52	3.74	−1 +9	22.74	15.28	−3 −6
10	15.68	49.20	+2 −5	20.07	54.85	+2 +10	22.56	4.08	−3 +7	22.70	15.64	−2 −7
11	15.84	49.30	+3 0	20.19	55.11	0 +10	22.61	4.43	−4 +3	22.66	16.00	0 −6
12	16.00	49.41	+3 +5	20.30	55.37	−2 +9	22.65	4.78	−4 −1	22.62	16.36	+1 −5
13	16.16	49.52	+3 +9	20.41	55.64	−3 +6	22.69	5.13	−4 −4	22.58	16.72	+2 −2
14	16.32	49.64	+1 +11	20.52	55.91	−4 +2	22.73	5.49	−3 −6	22.53	17.08	+3 +1
15	16.47	49.76	−1 +10	20.63	56.18	−4 −2	22.76	5.84	−1 −6	22.48	17.43	+3 +3
16	16.63	49.89	−2 +8	20.73	56.46	−3 −5	22.79	6.19	0 −6	22.43	17.79	+3 +5
17	16.78	50.03	−4 +4	20.83	56.75	−2 −7	22.82	6.55	+2 −3	22.37	18.14	+2 +6
18	16.93	50.17	−4 0	20.93	57.03	−1 −6	22.85	6.91	+2 −1	22.31	18.50	+1 +6
19	17.09	50.32	−4 −3	21.03	57.32	+1 −5	22.87	7.27	+3 +2	22.25	18.85	0 +5
20	17.24	50.47	−3 −6	21.13	57.61	+2 −3	22.89	7.63	+3 +4	22.19	19.20	−2 +3
21	17.38	50.62	−2 −6	21.23	57.91	+3 0	22.91	7.99	+3 +6	22.13	19.55	−2 −1
22	17.53	50.79	0 −6	21.32	58.21	+3 +2	22.93	8.35	+2 +6	22.06	19.90	−3 −4
23	17.68	50.96	+1 −4	21.41	58.51	+3 +5	22.94	8.72	0 +6	21.99	20.24	−2 −7
24	17.82	51.13	+2 −2	21.50	58.82	+2 +6	22.95	9.08	−1 +4	21.92	20.59	−1 −9
25	17.97	51.31	+3 +1	21.59	59.13	+1 +6	22.96	9.45	−2 +1	21.84	20.93	0 −9
26	18.11	51.50	+3 +3	21.67	59.44	0 +5	22.97	9.81	−3 −2	21.77	21.27	+1 −7
27	18.25	51.69	+3 +5	21.75	59.76	−1 +3	22.97	10.18	−3 −6	21.69	21.61	+3 −3
28	18.39	51.88	+2 +6	21.83	60.07	−2 0	22.97	10.54	−2 −9	21.60	21.94	+3 +1
29	18.53	52.08	+1 +6	21.90	60.39	−3 −4	22.97	10.91	−1 −10	21.52	22.28	+3 +5
30	18.67	52.29	0 +4	21.97	60.72	−3 −7	22.97	11.27	+1 −9	21.43	22.61	+2 +9
31	18.81	52.50	−2 +2	22.04	61.04	−2 −10	22.96	11.64	+2 −6	21.34	22.94	+1 +10
32	18.94	52.71	−2 −2				22.95	12.00	+3 −2	21.25	23.27	−1 +9

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+82° 17′ 40″	7.458	+7.391	+82° 18′ 0″	7.463	+7.396	+82° 18′ 20″	7.469	+7.402
50	7.461	+7.393	10	7.466	+7.399	30	7.471	+7.404

$\alpha_{1937.0} = 20^h\ 47^m\ 16^s.18$ $\qquad$ $\delta_{1937.0} = +82°\ 17'\ 58''.72$

Nk) 76 Draconis $5^m.69$

Tag	September				Oktober				November				Dezember			
	AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder	
	$20^h 47^m$	$+82° 18'$	in $0^s.01$	in $0''.01$	$20^h 47^m$	$+82° 18'$	in $0^s.01$	in $0''.01$	$20^h 47^m$	$+82° 18'$	in $0^s.01$	in $0''.01$	$20^h 47^m$	$+82° 18'$	in $0^s.01$	in $0''.01$
1	21.25	23.27	−1	+9	17.59	31.70	−4	0	12.54	36.44	0	−6	7.47	36.02	+3	0
2	21.16	23.60	−3	+6	17.45	31.92	−4	−4	12.36	36.51	+1	−5	7.32	35.92	+3	+2
3	21.06	23.92	−4	+2	17.30	32.14	−3	−6	12.19	36.58	+2	−2	7.16	35.81	+3	+5
4	20.96	24.24	−4	−2	17.14	32.36	−1	−7	12.02	36.64	+3	0	7.01	35.69	+2	+6
5	20.86	24.56	−3	−5	16.99	32.57	0	−6	11.85	36.69	+3	+3	6.85	35.57	+1	+6
6	20.76	24.87	−2	−7	16.84	32.78	+1	−4	11.67	36.74	+3	+5	6.70	35.44	0	+6
7	20.66	25.18	−1	−6	16.68	32.98	+2	−1	11.50	36.78	+2	+6	6.55	35.31	−1	+4
8	20.56	25.49	0	−5	16.53	33.18	+3	+1	11.33	36.81	+1	+6	6.40	35.17	−2	+1
9	20.45	25.80	+2	−3	16.37	33.37	+3	+4	11.16	36.84	0	+5	6.25	35.02	−2	−3
10	20.34	26.11	+3	0	16.21	33.56	+3	+5	10.98	36.86	−1	+2	6.10	34.87	−2	−6
11	20.23	26.41	+3	+2	16.05	33.74	+2	+6	10.81	36.88	−2	−1	5.96	34.72	−2	−9
12	20.11	26.71	+3	+5	15.90	33.92	+1	+6	10.64	36.90	−3	−4	5.82	34.56	−1	−10
13	20.00	27.00	+2	+6	15.74	34.10	0	+4	10.47	36.90	−2	−7	5.68	34.39	+1	−9
14	19.88	27.29	+1	+6	15.57	34.27	−2	+2	10.29	36.90	−1	−9	5.54	34.22	+2	−7
15	19.76	27.58	0	+6	15.41	34.43	−2	−2	10.12	36.90	0	−10	5.40	34.05	+3	−3
16	19.64	27.87	−1	+3	15.25	34.59	−2	−5	9.95	36.89	+1	−8	5.26	33.87	+4	+2
17	19.51	28.15	−2	0	15.08	34.75	−2	−8	9.78	36.87	+3	−5	5.13	33.68	+3	+6
18	19.39	28.43	−3	−3	14.92	34.90	−1	−9	9.61	36.85	+3	0	5.00	33.49	+2	+9
19	19.26	28.70	−3	−6	14.75	35.04	0	−9	9.44	36.82	+3	+5	4.87	33.29	0	+9
20	19.13	28.97	−2	−9	14.58	35.18	+2	−6	9.27	36.79	+2	+8	4.74	33.09	−2	+8
21	19.00	29.24	−1	−9	14.41	35.31	+3	−2	9.10	36.75	+1	+10	4.62	32.88	−3	+5
22	18.87	29.50	+1	−8	14.25	35.44	+3	+2	8.93	36.70	−1	+9	4.50	32.67	−4	+1
23	18.73	29.76	+2	−5	14.08	35.57	+3	+6	8.77	36.65	−3	+7	4.38	32.45	−4	−3
24	18.60	30.01	+3	−1	13.91	35.68	+2	+9	8.60	36.59	−4	+4	4.26	32.23	−3	−5
25	18.46	30.27	+3	+4	13.74	35.80	0	+10	8.44	36.53	−4	0	4.14	32.01	−2	−6
26	18.32	30.51	+3	+8	13.57	35.91	−1	+9	8.27	36.46	−4	−4	4.02	31.78	0	−6
27	18.18	30.76	+1	+10	13.40	36.01	−3	+5	8.11	36.38	−3	−6	3.91	31.55	+1	−4
28	18.04	31.00	0	+9	13.23	36.11	−4	+2	7.95	36.30	−1	−6	3.80	31.31	+2	−1
29	17.89	31.24	−2	+7	13.06	36.20	−4	−2	7.79	36.21	0	−5	3.69	31.07	+3	+2
30	17.74	31.47	−3	+4	12.89	36.29	−3	−5	7.63	36.12	+2	−3	3.59	30.82	+3	+4
31	17.59	31.70	−4	0	12.71	36.37	−2	−7	7.47	36.02	+3	0	3.48	30.57	+2	+6
32					12.54	36.44	0	−6					3.38	30.32	+2	+7

δ	sec δ	tg δ	δ	sec δ	tg δ
+82° 18′ 20″	7.469	+7.402	+82° 18′ 30″	7.471	+7.404
30	7.471	+7.404	40	7.474	+7.407

$\alpha_{1937.0} = 20^h\ 47^m\ 16^s.18$ $\delta_{1937.0} = +82°\ 17'\ 58''.72$

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

Sa) Octantis 4 G. $5^m.63$

Tag	Januar AR.	Januar Dekl.	Januar ☾ Glieder	Februar AR.	Februar Dekl.	Februar ☾ Glieder	März AR.	März Dekl.	März ☾ Glieder	April AR.	April Dekl.	April ☾ Glieder
	$1^h\,40^m$	$-85°\,5'$	in $0^s.01$ | $0''.01$	$1^h\,40^m$	$-85°\,5'$	in $0^s.01$ | $0''.01$	$1^h\,40^m$	$-85°\,5'$	in $0^s.01$ | $0''.01$	$1^h\,40^m$	$-85°\,5'$	in $0^s.01$ | $0''.01$
1	$51^s.77$	$32''.31$	+4 +10	$43^s.48$	$30''.08$	+4 −3	$37^s.12$	$23''.58$	+3 −5	$32^s.73$	$13''.16$	−5 −7
2	51.50	32.33	+6 +7	43.22	29.91	+2 −6	36.93	23.29	+1 −7	32.64	12.79	−5 −5
3	51.23	32.34	+6 +3	42.97	29.74	0 −8	36.74	22.99	−2 −8	32.56	12.42	−5 −2
4	50.96	32.35	+5 −1	42.72	29.56	−2 −8	36.55	22.69	−4 −8	32.48	12.05	−4 +1
5	50.69	32.35	+3 −4	42.47	29.38	−4 −8	36.37	22.38	−5 −7	32.41	11.68	−2 +3
6	50.42	32.34	+1 −7	42.22	29.19	−5 −6	36.19	22.07	−5 −4	32.34	11.31	+1 +5
7	50.15	32.33	−1 −8	41.98	29.00	−5 −3	36.01	21.76	−5 −1	32.28	10.94	+3 +5
8	49.88	32.32	−3 −8	41.73	28.80	−5 +1	35.84	21.44	−3 +2	32.21	10.57	+6 +4
9	49.61	32.30	−5 −7	41.49	28.60	−3 +4	35.67	21.13	−1 +5	32.15	10.19	+7 +1
10	49.34	32.27	−6 −4	41.25	28.39	0 +6	35.51	20.81	+2 +6	32.10	9.81	+6 −2
11	49.07	32.23	−5 −1	41.01	28.18	+3 +7	35.35	20.48	+4 +6	32.05	9.44	+4 −5
12	48.80	32.19	−4 +2	40.77	27.96	+5 +6	35.19	20.16	+6 +4	32.00	9.06	+1 −8
13	48.53	32.14	−2 +5	40.54	27.74	+7 +3	35.03	19.83	+7 +1	31.96	8.68	−2 −8
14	48.26	32.09	+1 +6	40.30	27.51	+6 −1	34.88	19.50	+6 −3	31.92	8.31	−5 −6
15	47.99	32.02	+4 +6	40.07	27.28	+5 −5	34.73	19.16	+3 −6	31.88	7.93	−7 −3
16	47.72	31.95	+6 +4	39.85	27.04	+2 −8	34.58	18.82	0 −8	31.85	7.55	−7 +2
17	47.45	31.88	+7 +1	39.62	26.80	−1 −9	34.44	18.48	−3 −8	*)31.83	7.18	−6 +6
18	47.18	31.80	+6 −3	39.40	26.56	−5 −7	34.30	18.14	−6 −5	31.80	6.80	−3 +9
19	46.91	31.72	+4 −6	39.18	26.31	−7 −4	34.16	17.79	−7 −1	31.79	6.42	0 +11
20	46.64	31.63	+1 −9	38.96	26.06	−7 0	34.03	17.45	−7 +3	31.77	6.05	+3 +11
21	46.37	31.53	−3 −9	38.75	25.80	−6 +4	33.90	17.10	−5 +7	31.76	5.67	+5 +9
22	46.10	31.43	−6 −7	38.54	25.53	−4 +8	33.77	16.75	−2 +10	31.76	5.30	+6 +5
23	45.83	31.32	−7 −3	38.33	25.26	0 +10	33.65	16.40	+1 +11	31.76	4.93	+6 +1
24	45.57	31.21	−7 +1	38.12	24.99	+2 +10	33.53	16.05	+4 +10	31.76	4.55	+4 −2
25	45.30	31.09	−5 +6	37.91	24.72	+5 +9	33.42	15.69	+6 +7	31.76	4.18	+2 −5
26	45.04	30.96	−2 +9	37.71	24.44	+6 +6	33.31	15.34	+6 +3	31.77	3.81	0 −7
27	44.78	30.83	0 +11	37.51	24.16	+6 +2	33.20	14.98	+5 0	31.78	3.44	−2 −8
28	44.51	30.69	+3 +10	37.31	23.87	+5 −2	33.10	14.62	+4 −4	31.80	3.07	−4 −7
29	44.25	30.55	+5 +8	37.12	23.58	+3 −5	33.00	14.26	+1 −7	31.83	2.71	−5 −6
30	44.00	30.40	+6 +5				32.91	13.89	−1 −8	31.85	2.34	−5 −3
31	43.74	30.24	+6 +2				32.82	13.53	−3 −8	31.88	1.97	−5 0
32	43.48	30.08	+4 −3				32.73	13.16	−5 −7			

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−85° 5′ 0″	11.668	−11.625	−85° 5′ 10″	11.674	−11.631	−85° 5′ 30″	11.687	−11.645
10	11.674	−11.631	20	11.681	−11.638	40	11.694	−11.651

$\alpha_{1937.0} = 1^h\ 40^m\ 49^s.92$ $\delta_{1937.0} = -85°\ 5'\ 18''.31$

*) Tag der doppelten unteren Kulmination: April 17.

Sa) Octantis 4 G. $5^m.63$

Tag	Mai AR.	Mai Dekl.	Mai ☾ Glieder		Juni AR.	Juni Dekl.	Juni ☾ Glieder		Juli AR.	Juli Dekl.	Juli ☾ Glieder		August AR.	August Dekl.	August ☾ Glieder	
	$1^h\,40^m$	−85° 4′	in $0^s.01$	in $0''.01$	$1^h\,40^m$	−85° 4′	in $0^s.01$	in $0''.01$	$1^h\,40^m$	−85° 4′	in $0^s.01$	in $0''.01$	$1^h\,40^m$	−85° 4′	in $0^s.01$	in $0''.01$
1	$31^s.88$	$61''.97$	−5	0	$34^s.67$	$51''.62$	+4	+5	$40^s.25$	$44''.83$	+7	−2	$47^s.55$	$42''.75$	−3	−9
2	31.92	61.61	−3	+2	34.82	51.33	+6	+3	40.47	44.68	+5	−6	47.79	42.78	−5	−7
3	31.96	61.24	0	+4	34.97	51.04	+7	0	40.70	44.54	+3	−9	48.03	42.81	−7	−3
4	32.00	60.88	+2	+5	35.12	50.76	+6	−4	40.92	44.40	−1	−10	48.27	42.85	−6	+2
5	32.05	60.52	+5	+4	35.28	50.48	+4	−7	41.14	44.26	−4	−9	48.50	42.89	−5	+6
6	32.10	60.16	+7	+2	35.44	50.21	+1	−9	41.37	44.13	−6	−6	48.74	42.94	−2	+9
7	32.15	59.80	+7	−1	35.60	49.94	−2	−9	41.60	44.01	−7	−1	48.97	43.00	+1	+11
8	32.21	59.45	+6	−5	35.76	49.68	−5	−7	41.83	43.89	−6	+4	49.21	43.06	+4	+10
9	32.27	59.09	+3	−8	35.93	49.42	−7	−3	42.06	43.77	−4	+8	49.44	43.13	+6	+7
10	32.33	58.74	0	−9	36.10	49.16	−7	+2	42.29	43.66	−1	+10	49.67	43.20	+6	+4
11	32.40	58.39	−4	−8	36.27	48.91	−5	+6	42.52	43.56	+2	+11	49.90	43.28	+5	0
12	32.47	58.04	−6	−5	36.45	48.66	−3	+10	42.75	43.46	+5	+10	50.13	43.36	+3	−3
13	32.55	57.69	−7	−1	36.63	48.42	0	+11	42.99	43.37	+6	+7	50.36	43.45	+1	−5
14	32.63	57.35	−7	+4	36.81	48.18	+3	+11	43.22	43.29	+6	+3	50.58	43.55	−1	−7
15	32.71	57.00	−4	+8	36.99	47.95	+5	+9	43.46	43.21	+4	−1	50.81	43.65	−3	−7
16	32.80	56.66	−1	+11	37.18	47.72	+6	+5	43.70	43.13	+2	−4	51.03	43.76	−5	−6
17	32.89	56.33	+2	+12	37.37	47.49	+5	+1	43.93	43.06	0	−6	51.25	43.87	−5	−4
18	32.98	55.99	+4	+10	37.56	47.27	+4	−2	44.17	43.00	−2	−7	51.47	43.99	−5	−1
19	33.08	55.66	+6	+7	37.75	47.05	+1	−5	44.42	42.94	−4	−7	51.69	44.12	−4	+2
20	33.18	55.33	+6	+3	37.95	46.84	−1	−7	44.66	42.89	−5	−5	51.90	44.25	−2	+4
21	33.28	55.00	+5	−1	38.15	46.63	−3	−7	44.90	42.85	−5	−3	52.12	44.39	0	+6
22	33.39	54.68	+3	−4	38.35	46.43	−5	−6	45.14	42.81	−5	0	52.33	44.53	+3	+6
23	33.50	54.36	+1	−6	38.55	46.23	−5	−4	45.38	42.78	−3	+3	52.54	44.68	+5	+4
24	33.62	54.04	−1	−7	38.76	46.04	−5	−2	45.63	42.75	−1	+5	52.74	44.83	+6	+2
25	33.74	53.73	−3	−7	38.97	45.85	−4	+1	45.87	42.73	+2	+6	52.95	44.99	+6	−2
26	33.86	53.41	−5	−6	39.18	45.67	−2	+4	46.11	42.72	+4	+5	53.15	45.15	+5	−6
27	33.99	53.11	−5	−4	39.39	45.49	0	+5	46.35	42.71	+6	+3	53.35	45.32	+2	−8
28	34.12	52.80	−5	−1	39.60	45.32	+3	+6	46.59	42.70	+7	0	53.55	45.50	−1	−9
29	34.25	52.50	−4	+2	39.81	45.15	+5	+4	46.83	42.71	+6	−4	53.74	45.68	−4	−8
30	34.39	52.20	−1	+4	40.03	44.99	+7	+2	47.07	42.72	+4	−7	53.93	45.86	−6	−5
31	34.53	51.91	+1	+5	40.25	44.83	+7	−2	47.31	42.73	0	−9	54.12	46.05	−7	0
32	34.67	51.62	+4	+5					47.55	42.75	−3	−9	54.31	46.25	−5	+4

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−85° 4′ 40″	11.655	−11.612	−85° 4′ 50″	11.661	−11.618	−85° 5′ 0″	11.668	−11.625
50	11.661	−11.618	60	11.668	−11.625	10	11.674	−11.631

$\alpha_{1937.0} = 1^h\ 40^m\ 49^s.92$ $\delta_{1937.0} = -85°\ 5'\ 18''.31$

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

Sa) Octantis 4 G. $5^{m}.63$

Tag	September AR.	September Dekl.	September ☾ Glieder		Oktober AR.	Oktober Dekl.	Oktober ☾ Glieder		November AR.	November Dekl.	November ☾ Glieder		Dezember AR.	Dezember Dekl.	Dezember ☾ Glieder	
	$1^h\ 40^m$	— 85° 4′	in $0^s.01$	in 0″.01	$1^h\ 40^m$	— 85° 4′	in $0^s.01$	in 0″.01	$1^h\ 40^m$	— 85° 5′	in $0^s.01$	in 0″.01	$1^h\ 40^m$	— 85° 5′	in $0^s.01$	in 0″.01
1	54.31	46.25	−1	+ 4	58.26	53.97	+2	+11	58.11	4.19	+4	− 3	53.75	12.22	−2	− 7
2	54.49	46.45	−3	+ 8	58.33	54.27	+4	+ 9	58.03	4.50	+1	− 5	53.55	12.42	−4	− 6
3	54.67	46.65	0	+10	58.39	54.58	+6	+ 6	57.94	4.81	−1	− 7	53.34	12.62	−5	− 4
4	54.85	46.86	+3	+10	58.45	54.89	+6	+ 3	57.84	5.11	−3	− 7	53.13	12.81	−5	− 2
5	55.03	47.07	+5	+ 8	58.50	55.20	+5	− 1	57.75	5.42	−5	− 6	52.92	13.00	−4	0
6	55.20	47.29	+6	+ 5	58.55	55.52	+3	− 4	57.65	5.72	−5	− 4	52.70	13.18	−3	+ 3
7	55.37	47.51	+6	+ 1	58.60	55.83	0	− 6	57.54	6.02	−5	− 2	52.48	13.36	−1	+ 4
8	55.53	47.73	+4	− 2	58.64	56.15	−2	− 7	57.43	6.32	−4	+ 1	52.26	13.53	+2	+ 5
9	55.69	47.96	+2	− 5	58.68	56.47	−4	− 7	57.31	6.61	−2	+ 3	52.04	13.70	+4	+ 4
10	55.85	48.20	−1	− 7	58.71	56.79	−5	− 5	57.20	6.90	0	+ 5	51.81	13.87	+6	+ 2
11	56.00	48.44	−3	− 7	58.74	57.11	−5	− 3	57.07	7.19	+3	+ 5	51.58	14.02	+7	− 1
12	56.15	48.68	−4	− 6	58.76	57.44	−5	− 1	56.94	7.48	+5	+ 4	51.35	14.17	+6	− 5
13	56.30	48.93	−5	− 5	58.78	57.76	−3	+ 2	56.81	7.76	+6	+ 1	51.11	14.32	+4	− 8
14	56.44	49.18	−5	− 2	58.79	58.08	−1	+ 4	56.68	8.04	+6	− 2	50.88	14.46	+1	−10
15	56.58	49.44	−5	0	58.80	58.40	+1	+ 5	56.54	8.32	+5	− 6	50.64	14.59	−2	−10
16	56.71	49.69	−3	+ 3	58.80	58.73	+4	+ 5	56.39	8.60	+2	− 8	50.40	14.72	−5	− 7
17	56.85	49.96	0	+ 5	{58.80 {58.79	59.05 59.38	+6 +6	+ 3} 0}	56.24	8.87	0	− 9	50.15	14.84	−6	− 3
18	56.97	50.22	+2	+ 6	58.78	59.70	+6	− 3	56.08	9.14	−4	− 8	49.90	14.96	−6	+ 1
19	57.10	50.49	+5	+ 5	58.76	60.03	+4	− 6	55.92	9.40	−6	− 5	49.66	15.07	−5	+ 6
20	57.22	50.76	+6	+ 3	58.74	60.35	+1	− 8	55.76	9.66	−7	− 1	49.41	15.17	−2	+10
21	57.34	51.04	+6	0	58.72	60.68	−2	− 9	55.60	9.91	−6	+ 4	49.16	15.27	+1	+11
22	57.45	51.32	+5	− 4	58.69	61.01	−5	− 7	55.43	10.16	−4	+ 8	48.90	15.36	+4	+11
23	57.56	51.61	+3	− 7	58.65	61.33	−7	− 3	55.26	10.41	−1	+11	48.65	15.44	+5	+ 8
24	57.66	51.89	0	− 8	58.61	61.65	−7	+ 1	55.08	10.65	+2	+11	48.39	15.52	+6	+ 5
25	57.76	52.18	−3	− 8	58.57	61.97	−5	+ 6	54.90	10.89	+4	+10	48.13	15.60	+5	+ 1
26	57.85	52.47	−6	− 6	58.52	62.29	−3	+ 9	54.72	11.12	+6	+ 7	47.87	15.67	+3	− 3
27	57.94	52.76	−7	− 2	58.46	62.61	0	+11	54.53	11.35	+5	+ 3	47.61	15.73	0	− 5
28	58.03	53.06	−6	+ 3	58.40	62.93	+3	+11	54.34	11.57	+4	− 1	47.34	15.78	−2	− 6
29	58.11	53.36	−4	+ 7	58.33	63.25	+5	+ 8	54.15	11.79	+2	− 4	47.08	15.83	−4	− 6
30	58.19	53.66	−1	+10	58.26	63.56	+6	+ 5	53.95	12.01	0	− 6	46.81	15.87	−5	− 5
31	58.26	53.97	+2	+11	58.19	63.88	+5	+ 1	53.75	12.22	−2	− 7	46.55	15.91	−5	− 3
32					58.11	64.19	+4	− 3					46.29	15.94	−5	0

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−85° 4′ 40″	11.655	−11.612	−85° 4′ 50″	11.661	−11.618	−85° 5′ 10″	11.674	−11.631
50	11.661	−11.618	60	11.668	−11.625	20	11.681	−11.638

$\alpha_{1937.0} = 1^h\ 40^m\ 49^s.92$ $\delta_{1937.0} = -85°\ 5'\ 18''.31$

5b) ξ Mensae $5^m\!.85$

Tag	Januar AR.	Januar Dekl.	Januar ☾ Glieder in 0.01s	Januar ☾ Glieder in 0.01″	Februar AR.	Februar Dekl.	Februar ☾ Glieder in 0.01s	Februar ☾ Glieder in 0.01″	März AR.	März Dekl.	März ☾ Glieder in 0.01s	März ☾ Glieder in 0.01″	April AR.	April Dekl.	April ☾ Glieder in 0.01s	April ☾ Glieder in 0.01″
	$5^h 6^m$	−82° 33′			$5^h 5^m$	−82° 33′			$5^h 5^m$	−82° 33′			$5^h 5^m$	−82° 33′		
1	5.24	35.82	−1	+9	60.97	43.25	+2	+3	55.77	45.89	+2	0	49.85	43.96	0	−8
2	5.14	36.12	0	+9	60.80	43.41	+3	−1	55.58	45.91	+2	−3	49.67	43.82	0	−8
3	5.04	36.42	+1	+8	60.62	43.57	+2	−4	55.38	45.92	+2	−6	49.49	43.67	−1	−7
4	4.93	36.71	+2	+5	60.45	43.73	+2	−7	55.18	45.92	+1	−8	49.32	43.52	−2	−3
5	4.82	37.00	+2	+1	60.28	43.88	+1	−8	54.99	45.92	0	−9	49.14	43.36	−2	0
6	4.71	37.28	+2	−2	60.10	44.02	0	−8	54.79	45.92	−1	−8	48.97	43.20	−1	+4
7	4.60	37.56	+2	−5	59.92	44.16	−1	−7	54.59	45.91	−2	−5	48.80	43.04	0	+7
8	4.48	37.84	+1	−8	59.74	44.30	−2	−4	54.40	45.89	−2	−2	48.62	42.87	+1	+9
9	4.36	38.12	0	−9	59.56	44.43	−2	−1	54.20	45.87	−2	+1	48.45	42.70	+2	+8
10	4.24	38.39	−1	−8	59.38	44.55	−2	+3	54.00	45.84	−1	+5	48.29	42.52	+3	+6
11	4.12	38.66	−1	−6	59.20	44.67	−1	+7	53.81	45.81	0	+8	48.12	42.34	+3	+2
12	3.99	38.92	−2	−3	59.02	44.78	0	+9	53.61	45.77	+1	+9	47.95	42.15	+3	−2
13	3.86	39.18	−2	+1	58.83	44.89	+2	+9	53.42	45.73	+2	+7	47.79	41.96	+2	−6
14	3.73	39.43	−1	+5	58.65	44.99	+3	+6	53.23	45.68	+3	+4	47.62	41.76	0	−9
15	3.60	39.69	0	+8	58.46	45.09	+3	+2	53.03	45.63	+3	0	47.46	41.56	−2	−9
16	3.46	39.93	+1	+9	58.27	45.18	+3	−2	52.84	45.57	+2	−4	47.31	41.36	−3	−7
17	3.32	40.17	+2	+8	58.09	45.27	+2	−6	52.65	45.51	+1	−8	47.15	41.15	−4	−3
18	3.18	40.41	+3	+5	57.90	45.35	0	−9	52.46	45.44	−1	−9	47.00	40.94	−4	+2
19	3.03	40.65	+3	+1	57.70	45.43	−1	−9	52.26	45.37	−2	−8	46.85	40.73	−3	+6
20	2.88	40.87	+3	−4	57.51	45.50	−3	−7	52.07	45.29	−3	−5	46.70	40.51	−2	+9
21	2.73	41.10	+2	−8	57.32	45.57	−4	−4	51.88	45.20	−4	−1	46.55	40.29	−1	+10
22	2.58	41.32	0	−9	57.13	45.63	−4	+1	51.69	45.11	−4	+3	46.40	40.07	+1	+9
23	2.43	41.54	−2	−9	56.93	45.68	−3	+5	51.50	45.02	−3	+7	46.26	39.84	+2	+6
24	2.27	41.75	−3	−6	56.74	45.73	−2	+8	51.31	44.92	−1	+9	46.12	39.61	+2	+3
25	2.12	41.95	−4	−2	56.55	45.77	−1	+9	51.13	44.82	0	+9	45.98	39.38	+2	0
26	1.96	42.15	−4	+2	56.35	45.81	0	+9	50.94	44.71	+1	+8	45.84	39.14	+2	−4
27	1.80	42.35	−3	+6	56.16	45.84	+2	+7	50.75	44.60	+2	+5	45.70	38.89	+1	−7
28	1.64	42.54	−2	+9	55.97	45.87	+2	+4	50.57	44.48	+2	+2	45.57	38.65	+1	−8
29	1.47	42.72	0	+10	55.77	45.89	+2	0	50.39	44.36	+2	−2	45.44	38.40	0	−8
30	1.31	42.90	+1	+8					50.21	44.23	+2	−5	45.31	38.15	−1	−7
31	1.14	43.08	+2	+6					50.03	44.10	+1	−7	45.18	37.89	−2	−5
32	0.97	43.25	+2	+3					49.85	43.96	0	−8				

δ	sec δ	tg δ	δ	sec δ	tg δ
−82° 33′ 30″	7.721	−7.656	−82° 33′ 40″	7.724	−7.659
40	7.724	−7.659	50	7.727	−7.662

$\alpha_{1937.0} = 5^h\ 5^m\ 58^s\!.23$ $\delta_{1937.0} = -82°\ 33'\ 27''\!.68$

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

8b) ξ Mensae $5^m_.85$

Tag	Mai AR.	Mai Dekl.	Mai ☾ Glieder		Juni AR.	Juni Dekl.	Juni ☾ Glieder		Juli AR.	Juli Dekl.	Juli ☾ Glieder		August AR.	August Dekl.	August ☾ Glieder	
	$5^h\ 5^m$	$-82°\ 33'$	in $0^s.01$	in $0''.01$	$5^h\ 5^m$	$-82°\ 33'$	in $0^s.01$	in $0''.01$	$5^h\ 5^m$	$-82°\ 33'$	in $0^s.01$	in $0''.01$	$5^h\ 5^m$	$-82°\ 33'$	in $0^s.01$	in $0''.01$
1	$45^s.18$	$37''.89$	−2	−5	$42^s.46$	$28''.69$	0	+7	$42^s.38$	$18''.92$	+3	+6	$44^s.90$	$10''.40$	+2	−8
2	45.05	37.63	−2	−2	42.42	28.36	+1	+8	42.42	18.61	+4	+2	45.02	10.18	0	−9
3	44.93	37.37	−1	+2	42.38	28.04	+2	+7	42.47	18.29	+4	−2	45.14	9.96	−2	−9
4	44.80	37.10	−1	+6	42.34	27.71	+3	+5	42.51	17.99	+3	−6	45.26	9.75	−3	−6
5	44.68	36.83	+1	+8	42.30	27.39	+4	+1	42.56	17.68	+1	−9	45.39	9.55	−4	−2
6	44.57	36.56	+2	+8	42.27	27.06	+3	−4	42.62	17.37	−1	−9	45.51	9.35	−3	+3
7	44.46	36.28	+3	+7	42.24	26.73	+2	−7	42.67	17.07	−2	−8	45.64	9.15	−3	+7
8	44.35	36.01	+3	+3	*)42.21	26.40	0	−9	42.73	16.77	−3	−4	45.77	8.95	−1	+9
9	44.24	35.73	+3	−1	42.18	26.08	−2	−9	42.79	16.47	−4	0	45.91	8.76	0	+10
10	44.13	35.44	+2	−5	42.16	25.75	−3	−6	42.85	16.17	−3	+5	46.04	8.58	+1	+8
11	44.03	35.16	+1	−8	42.14	25.42	−4	−2	42.92	15.87	−2	+8	46.18	8.40	+2	+5
12	43.93	34.87	−1	−9	42.13	25.09	−4	+2	42.99	15.58	−1	+10	46.32	8.23	+2	+1
13	43.83	34.58	−2	−8	42.11	24.76	−3	+6	43.06	15.29	0	+9	46.45	8.06	+2	−2
14	43.73	34.29	−4	−4	42.11	24.43	−2	+9	43.13	15.00	+1	+7	46.59	7.90	+2	−5
15	43.64	33.99	−4	0	42.10	24.10	−1	+10	43.21	14.72	+2	+4	46.74	7.74	+1	−7
16	43.55	33.69	−4	+4	42.10	23.77	+1	+8	43.29	14.44	+2	0	46.88	7.59	0	−8
17	43.46	33.39	−3	+8	42.10	23.44	+2	+6	43.37	14.16	+2	−3	47.02	7.44	−1	−7
18	43.38	33.09	−1	+9	42.10	23.11	+2	+2	43.46	13.89	+1	−6	47.17	7.30	−2	−6
19	43.29	32.79	0	+9	42.10	22.79	+2	−1	43.55	13.62	0	−8	47.31	7.16	−2	−3
20	43.21	32.49	+1	+7	42.11	22.46	+2	−5	43.64	13.35	0	−8	47.46	7.03	−2	0
21	43.13	32.18	+2	+5	42.12	22.13	+1	−7	43.73	13.08	−1	−7	47.61	6.90	−1	+4
22	43.06	31.87	+2	+1	42.13	21.80	0	−8	43.83	12.82	−2	−5	47.76	6.78	0	+7
23	42.99	31.56	+2	−2	42.15	21.48	−1	−8	43.93	12.56	−2	−2	47.91	6.67	+1	+8
24	42.92	31.24	+2	−6	42.17	21.16	−1	−7	44.03	12.31	−2	+2	48.07	6.56	+2	+8
25	42.85	30.93	+1	−7	42.19	20.83	−2	−4	44.13	12.06	−1	+5	48.22	6.46	+3	+5
26	42.79	30.61	0	−8	42.22	20.51	−2	−1	44.23	11.81	0	+7	48.38	6.36	+3	+2
27	42.73	30.29	−1	−8	42.24	20.19	−1	+3	44.34	11.56	+1	+8	48.53	6.27	+3	−2
28	42.67	29.98	−2	−6	42.27	19.87	−1	+6	44.45	11.32	+2	+7	48.69	6.18	+2	−6
29	42.61	29.66	−2	−3	42.31	19.55	+1	+8	44.55	11.08	+3	+4	48.85	6.10	+1	−9
30	42.56	29.33	−2	+1	42.34	19.24	+2	+8	44.67	10.85	+3	0	49.01	6.03	−1	−9
31	42.51	29.01	−1	+4	42.38	18.92	+3	+6	44.78	10.62	+3	−4	49.17	5.96	−2	−7
32	42.46	28.69	0	+7					44.90	10.40	+2	−8	49.33	5.90	−3	−3

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−82° 33′ 0″	7.712	−7.647	−82° 33′ 10″	7.715	−7.650	−82° 33′ 30″	7.721	−7.656
10	7.715	−7.650	20	7.718	−7.653	40	7.724	−7.659

$\alpha_{1937.0} = 5^h\ 5^m\ 58^s.23$ $\delta_{1937.0} = -82°\ 33'\ 27''.68$

*) Tag der doppelten unteren Kulmination: Juni 8.

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

86) ξ Mensae $5^m.85$

Tag	September AR.	September Dekl.	September ☾ Glieder		Oktober AR.	Oktober Dekl.	Oktober ☾ Glieder		November AR.	November Dekl.	November ☾ Glieder		Dezember AR.	Dezember Dekl.	Dezember ☾ Glieder	
	$5^h\ 5^m$	−82° 33′	in $0^s.01$	in $0''.01$	$5^h\ 5^m$	−82° 33′	in $0^s.01$	in $0''.01$	$5^h\ 5^m$	−82° 33′	in $0^s.01$	in $0''.01$	$5^h\ 5^m$	−82° 33′	in $0^s.01$	in $0''.01$
1	$49^s.33$	$5''.90$	−3	−3	$54^s.20$	$6''.94$	−2	+7	$58^s.22$	$13''.54$	+2	+6	$59^s.77$	$23''.37$	+2	−4
2	49.50	5.85	−4	+1	54.35	7.07	−1	+9	58.31	13.83	+2	+2	59.77	23.72	+1	−6
3	49.66	5.80	−3	+5	54.51	7.21	0	+9	58.40	14.12	+2	−2	59.77	24.07	0	−8
4	49.82	5.76	−2	+8	54.66	7.36	+1	+7	58.49	14.42	+2	−5	59.77	24.42	−1	−8
5	49.98	5.72	−1	+10	54.81	7.51	+2	+4	58.58	14.72	+1	−7	59.76	24.77	−1	−7
6	50.15	5.69	+1	+9	54.96	7.66	+2	+1	58.66	15.02	0	−8	59.75	25.12	−2	−4
7	50.31	5.66	+2	+6	55.11	7.82	+2	−3	58.74	15.32	−1	−8	59.74	25.47	−2	−1
8	50.48	5.64	+2	+3	55.25	7.99	+1	−6	58.82	15.63	−1	−6	59.72 / 59.70	25.82 / 26.17	−1 / −1	+2 / +5
9	50.64	5.63	+2	−1	55.40	8.16	+1	−8	58.89	15.94	−2	−4	59.68	26.52	0	+7
10	50.81	5.63	+2	−4	55.54	8.34	0	−8	58.97	16.26	−2	0	59.65	26.87	+2	+7
11	50.97	5.63	+1	−6	55.69	8.52	−1	−7	59.03	16.57	−1	+3	59.62	27.21	+3	+6
12	51.14	5.63	0	−8	55.83	8.71	−2	−5	59.10	16.89	0	+6	59.59	27.56	+4	+4
13	51.30	5.65	0	−8	55.97	8.91	−2	−2	59.16	17.22	+1	+7	59.55	27.90	+4	0
14	51.46	5.67	−1	−7	56.10	9.11	−2	+1	59.22	17.54	+2	+7	59.51	28.25	+3	−4
15	51.63	5.69	−2	−4	56.24	9.31	−1	+4	59.28	17.87	+3	+6	59.47	28.59	+2	−7
16	51.79	5.72	−2	−1	56.37	9.52	0	+7	59.34	18.20	+4	+3	59.42	28.93	0	−9
17	51.95	5.76	−2	+2	56.50	9.74	+1	+8	59.39	18.53	+3	−2	59.37	29.27	−1	−9
18	52.12	5.80	−1	+5	56.63	9.96	+2	+7	59.44	18.87	+3	−5	59.32	29.61	−3	−6
19	52.28	5.85	0	+7	56.76	10.18	+3	+5	59.49	19.21	+1	−8	59.26	29.94	−4	−2
20	52.44	5.91	+1	+8	56.88	10.41	+3	+1	59.53	19.55	−1	−9	59.20	30.28	−4	+3
21	52.60	5.97	+3	+7	57.01	10.65	+3	−3	59.57	19.89	−2	−7	59.14	30.61	−3	+7
22	52.77	6.04	+3	+4	57.13	10.89	+2	−7	59.60	20.23	−3	−4	59.07	30.94	−2	+9
23	52.93	6.12	+3	−1	57.25	11.14	0	−9	59.63	20.58	−4	0	59.00	31.27	0	+10
24	53.09	6.20	+2	−5	57.36	11.39	−2	−9	59.66	20.92	−3	+5	58.93	31.59	+1	+8
25	53.25	6.29	+1	−8	57.48	11.64	−3	−6	59.69	21.27	−2	+8	58.85	31.92	+2	+5
26	53.41	6.38	−1	−9	57.59	11.90	−4	−2	59.71	21.61	−1	+9	58.77	32.24	+2	+2
27	53.57	6.48	−2	−8	57.70	12.16	−4	+2	59.73	21.96	0	+9	58.69	32.56	+2	+2
28	53.73	6.59	−3	−5	57.81	12.43	−3	+6	59.74	22.31	+1	+7	58.60	32.88	+1	−5
29	53.89	6.70	−4	−1	57.92	12.70	−2	+9	59.75	22.66	+2	+3	58.51	33.19	0	−7
30	54.05	6.82	−3	+4	58.02	12.98	−1	+10	59.76	23.01	+2	0	58.42	33.50	0	−8
31	54.20	6.94	−2	+7	58.12	13.26	+1	+8	59.77	23.37	+2	−4	58.33	33.81	−1	−7
32					58.22	13.54	+2	+6					58.23	34.11	−2	−5

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−82° 33′ 0″	7.712	−7.647	−82° 33′ 10″	7.715	−7.650	−82° 33′ 30″	7.721	−7.656
10	7.715	−7.650	20	7.718	−7.653	40	7.724	−7.659

$\alpha_{1937.0} = 5^h\ 5^m\ 58^s.23$ $\delta_{1937.0} = -82°\ 33'\ 27''.68$

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

Sc) ζ Octantis $5^m.38$

Tag	Januar				Februar				März				April			
	AR.	Dekl.	ℭ Glieder		AR.	Dekl.	ℭ Glieder		AR.	Dekl.	ℭ Glieder		AR.	Dekl.	ℭ Glieder	
		—	in			—	in			—	in			—	in	
	$9^h 6^m$	85° 24′	$0^s.01$	$0''.01$	$9^h 6^m$	85° 24′	$0^s.01$	$0''.01$	$9^h 6^m$	85° 25′	$0^s.01$	$0''.01$	$9^h 6^m$	85° 25′	$0^s.01$	$0''.01$
1	$24^s.36$	$42''.98$	−7	−3	$26^s.14$	$54''.43$	−2	+7	$23^s.65$	$5''.25$	+2	+6	$17^s.44$	$14''.51$	+6	−3
2	24.48	43.32	−7	+1	26.12	54.81	0	+7	23.50	5.59	+4	+4	17.19	14.75	+5	−5
3	24.61	43.66	−6	+4	26.09	55.20	+3	+5	23.34	5.94	+6	+1	16.94	14.98	+3	−6
4	24.73	44.00	−4	+6	26.06	55.58	+5	+3	23.18	6.28	+7	−1	16.70	15.21	+1	−5
5	24.84	44.35	−1	+7	26.03	55.97	+6	+1	23.02	6.62	+6	−4	16.45	15.43	−1	−4
6	24.95	44.70	+1	+6	{25.99 {25.94	56.35 56.73	+6 +5	−2} −5}	22.85	6.96	+5	−5	16.19	15.65	−4	−1
7	25.06	45.05	+4	+4	25.89	57.12	+4	−6	22.68	7.29	+2	−6	15.94	15.87	−5	+3
8	25.16	45.40	+5	+2	25.84	57.50	+1	−6	22.51	7.62	0	−5	15.68	16.08	−5	+6
9	25.26	45.76	+6	−1	25.78	57.88	−1	−5	22.34	7.95	−3	−3	15.42	16.29	−4	+8
10	25.35	46.12	+6	−3	25.71	58.27	−4	−2	22.16	8.27	−5	0	15.17	16.49	−2	+9
11	25.44	46.48	+5	−5	25.64	58.65	−5	+1	21.98	8.59	−6	+4	14.90	16.69	+2	+8
12	25.52	46.84	+3	−6	25.57	59.03	−6	+5	21.79	8.91	−5	+7	14.64	16.88	+4	+5
13	25.60	47.21	0	−6	25.49	59.41	−5	+8	21.60	9.23	−3	+9	14.37	17.07	+6	0
14	25.67	47.58	−3	−4	25.40	59.78	−2	+9	21.41	9.54	0	+9	14.11	17.25	+6	−4
15	25.74	47.94	−5	−1	25.31	60.16	+1	+8	21.21	9.85	+3	+7	13.84	17.43	+5	−8
16	25.81	48.32	−6	+3	25.22	60.53	+4	+6	21.01	10.15	+5	+3	13.57	17.60	+2	−10
17	25.87	48.69	−5	+6	25.13	60.91	+6	+1	20.80	10.45	+6	−1	13.30	17.77	−1	−10
18	25.92	49.06	−4	+9	25.03	61.28	+6	−3	20.60	10.75	+6	−6	13.03	17.93	−5	−8
19	25.97	49.44	−1	+9	24.92	61.65	+5	−7	20.39	11.04	+4	−9	12.75	18.09	−7	−5
20	26.01	49.82	+3	+8	24.81	62.02	+3	−10	20.18	11.33	+1	−11	12.48	18.24	−8	−1
21	26.05	50.19	+5	+4	24.70	62.39	0	−10	19.97	11.62	−2	−10	12.21	18.39	−7	+3
22	26.08	50.58	+7	0	24.58	62.75	−4	−8	19.75	11.90	−5	−7	11.93	18.53	−5	+5
23	26.11	50.96	+6	−5	24.46	63.12	−6	−5	19.53	12.18	−7	−3	11.65	18.67	−3	+7
24	26.13	51.35	+5	−8	24.34	63.47	−7	−1	19.31	12.46	−7	+1	11.37	18.80	0	+7
25	26.15	51.73	+2	−10	24.21	63.83	−7	+2	19.08	12.73	−6	+4	11.10	18.93	+2	+5
26	26.17	52.12	−2	−10	24.08	64.19	−6	+5	18.86	13.00	−4	+6	10.82	19.05	+5	+3
27	26.18	52.50	−5	−8	23.94	64.54	−3	+7	18.63	13.26	−2	+7	10.54	19.17	+6	0
28	26.18	52.89	−7	−4	23.79	64.89	−1	+7	18.39	13.52	+1	+6	10.26	19.28	+6	−2
29	26.18	53.27	−7	0	23.65	65.25	+2	+6	18.16	13.77	+4	+5	9.98	19.39	+6	−4
30	26.17	53.66	−7	+3					17.92	14.02	+5	+2	9.70	19.49	+4	−5
31	26.16	54.04	−5	+6					17.68	14.27	+6	0	9.42	19.59	+2	−6
32	26.14	54.43	−2	+7					17.44	14.51	+6	−3				

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−85° 24′ 40″	12.499	−12.459	−85° 24′ 50″	12.507	−12.467	−85° 25′ 10″	12.522	−12.482
50	12.507	−12.467	60	12.514	−12.474	20	12.529	−12.489

$\alpha_{1937.0} = 9^h\ 6^m\ 12^s.83$ $\delta_{1937.0} = -85°\ 24'\ 49''.02$

Obere Kulmination Greenwich

Sc) ζ Octantis $5^m_.38$

Tag	Mai				Juni				Juli				August			
	AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder	
		—	in			—	in			—	in			—	in	
	$9^h\ 6^m$	85° 25′	$0^s.01$	$0''.01$	$9^h\ 5^m$	85° 25′	$0^s.01$	$0''.01$	$9^h\ 5^m$	85° 25′	$0^s.01$	$0''.01$	$9^h\ 5^m$	85° 24′	$0^s.01$	$0''.01$
1	$9^s.42$	$19''.59$	+2	− 6	$60^s.88$	$19''.95$	−5	+ 4	$54^s.13$	$15''.65$	−1	+10	$50^s.37$	$67''.59$	+7	0
2	9.14	19.68	0	− 4	60.62	19.88	−4	+ 7	53.95	15.44	+2	+ 9	50.32	67.30	+6	−4
3	8.86	19.77	−3	− 2	60.36	19.80	−3	+ 9	53.77	15.22	+4	+ 7	50.27	67.00	+4	−8
4	8.58	19.85	−5	+ 2	60.11	19.72	0	+10	53.60	15.00	+6	+ 3	50.23	66.70	+1	−9
5	8.29	19.92	−5	+ 5	59.86	19.63	+3	+ 9	53.43	14.78	+7	− 2	50.19	66.40	−2	−9
6	8.01	19.99	−4	+ 8	59.61	19.53	+5	+ 5	53.27	14.55	+6	− 6	50.16	66.10	−5	−7
7	7.73	20.06	−2	+10	59.36	19.44	+7	+ 1	53.10	14.32	+3	− 9	50.13	65.79	−7	−3
8	7.45	20.12	+1	+ 9	59.11	19.33	+6	− 4	52.95	14.08	0	−10	*)50.11	65.49	−7	+1
9	7.17	20.17	+4	+ 7	58.86	19.22	+5	− 8	52.79	13.85	−3	− 9	50.09	65.19	−6	+4
10	6.89	20.22	+6	+ 3	58.62	19.11	+1	−10	52.64	13.60	−6	− 6	50.08	64.88	−4	+6
11	6.61	20.27	+6	− 2	58.38	18.99	−2	−10	52.49	13.36	−7	− 2	50.07	64.57	−2	+6
12	6.33	20.31	+6	− 7	58.14	18.86	−5	− 8	52.35	13.11	−7	+ 2	50.07	64.27	+1	+6
13	6.05	20.34	+3	−10	57.90	18.73	−7	− 4	52.21	12.86	−6	+ 5	50.07	63.96	+3	+4
14	5.77	20.37	0	−11	57.67	18.60	−8	− 1	52.08	12.60	−4	+ 6	50.07	63.65	+5	+1
15	5.49	20.39	−3	−10	57.44	18.46	−7	+ 3	51.95	12.34	−1	+ 6	50.08	63.35	+6	−1
16	5.21	20.41	−6	− 7	57.21	18.32	−5	+ 5	51.82	12.08	+2	+ 5	50.10	63.04	+5	−4
17	4.94	20.42	−7	− 3	56.99	18.17	−3	+ 6	51.70	11.82	+4	+ 3	50.12	62.73	+4	−5
18	4.66	20.43	−8	+ 1	56.76	18.02	0	+ 6	51.58	11.55	+5	0	50.14	62.43	+3	−6
19	4.38	20.43	−6	+ 4	56.54	17.86	+3	+ 4	51.46	11.28	+6	− 2	50.17	62.12	0	−6
20	4.10	20.42	−4	+ 6	56.32	17.70	+5	+ 2	51.35	11.01	+5	− 5	50.21	61.82	−2	−4
21	3.83	20.41	−1	+ 6	56.11	17.54	+6	− 1	51.24	10.74	+4	− 6	50.25	61.52	−4	−1
22	3.55	20.40	+1	+ 5	55.90	17.37	+6	− 3	51.14	10.46	+2	− 6	50.29	61.21	−5	+2
23	3.28	20.38	+4	+ 4	55.69	17.20	+5	− 5	51.04	10.18	−1	− 5	50.34	60.91	−5	+5
24	3.01	20.35	+5	+ 1	55.48	17.02	+3	− 6	50.95	9.90	−3	− 3	50.39	60.61	−4	+8
25	2.74	20.32	+6	− 1	55.28	16.84	+1	− 6	50.86	9.62	−5	0	50.45	60.31	−1	+9
26	2.47	20.28	+6	− 4	55.08	16.65	−1	− 5	50.78	9.34	−5	+ 4	50.51	60.01	+2	+8
27	2.20	20.24	+4	− 5	54.88	16.46	−4	− 2	50.70	9.05	−4	+ 7	50.58	59.71	+4	+6
28	1.93	20.19	+3	− 6	54.69	16.26	−5	+ 2	50.63	8.76	−3	+ 9	50.66	59.41	+6	+2
29	1.67	20.14	0	− 5	54.50	16.06	−5	+ 5	50.56	8.48	0	+10	50.74	59.12	+7	−3
30	1.41	20.08	−2	− 3	54.31	15.86	−4	+ 8	50.49	8.19	+3	+ 8	50.82	58.82	+5	−7
31	1.14	20.02	−4	0	54.13	15.65	−1	+10	50.43	7.89	+5	+ 4	50.91	58.53	+3	−9
32	0.88	19.95	−5	+ 4					50.37	7.59	+7	0	51.00	58.24	−1	−9

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−85° 24′ 50″	12.507	−12.467	−85° 25′ 0″	12.514	−12.474	−85° 25′ 20″	12.529	−12.489
60	12.514	−12.474	10	12.522	−12.482	30	12.537	−12.497

$\alpha_{1937.0} = 9^h\ 6^m\ 12^s.83$ $\delta_{1937.0} = -85°\ 24'\ 49''.02$

*) Tag der doppelten unteren Kulmination: Aug. 8.

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

Sc) ζ Octantis $5^{m}.38$

Tag	September AR.	Dekl.	☾ Glieder		Oktober AR.	Dekl.	☾ Glieder		November AR.	Dekl.	☾ Glieder		Dezember AR.	Dekl.	☾ Glieder	
		—	in			—	in			—	in			—	in	
	$9^h 5^m$	$85° 24'$	$0^s.01$	$0''.01$	$9^h 5^m$	$85° 24'$	$0^s.01$	$0''.01$	$9^h 6^m$	$85° 24'$	$0^s.01$	$0''.01$	$9^h 6^m$	$85° 24'$	$0^s.01$	$0''.01$
1	51.00	58.24	−1	−9	55.80	50.88	−7	−2	3.73	47.85	−2	+6	11.84	50.72	+4	+2
2	51.10	57.95	−4	−8	56.02	50.70	−7	+2	4.01	47.85	+1	+6	12.09	50.91	+5	0
3	51.20	57.67	−6	−4	56.25	50.52	−6	+5	4.29	47.86	+3	+4	12.33	51.11	+5	−3
4	51.31	57.38	−7	0	56.47	50.35	−4	+6	4.57	47.88	+5	+1	12.57	51.32	+5	−5
5	51.42	57.10	−7	+3	56.70	50.18	−1	+6	4.85	47.90	+6	−1	12.81	51.53	+3	−6
6	51.53	56.82	−5	+6	56.93	50.02	+2	+5	5.12	47.92	+6	−4	13.05	51.74	+1	−6
7	51.65	56.54	−3	+7	57.16	49.87	+4	+3	5.40	47.96	+5	−5	13.28	51.96	−1	−5
8	51.77	56.26	0	+6	57.40	49.72	+5	+1	5.68	48.00	+3	−6	13.51	52.19	−3	−2
9	51.90	55.99	+2	+5	57.64	49.57	+6	−2	5.96	48.05	+1	−5	13.74	52.42	−4	+1
10	52.03	55.72	+4	+2	57.89	49.43	+5	−4	6.24	48.10	−1	−4	13.96	52.66	−4	+4
11	52.17	55.45	+5	0	58.13	49.29	+4	−5	6.52	48.16	−3	−1	14.18	52.90	−4	+7
12	52.31	55.19	+6	−3	58.38	49.16	+2	−6	6.80	48.23	−4	+2	14.40	53.15	−2	+10
13	52.46	54.92	+5	−5	58.63	49.04	0	−5	7.08	48.30	−5	+5	14.61	53.40	0	+10
14	52.61	54.67	+3	−6	58.89	48.93	−2	−3	7.36	48.38	−3	+8	14.82	53.65	+3	+9
15	52.77	54.41	+1	−6	59.14	48.82	−4	0	7.63	48.47	−1	+10	15.02	53.91	+5	+5
16	52.93	54.16	−1	−5	59.40	48.71	−5	+3	7.90	48.56	+1	+9	15.23	54.18	+7	+1
17	53.09	53.91	−3	−2	59.66	48.61	−4	+6	8.18	48.66	+4	+7	15.42	54.45	+6	−4
18	53.26	53.67	−5	+1	59.92	48.52	−3	+9	8.45	48.77	+6	+3	15.62	54.73	+4	−7
19	53.43	53.43	−5	+4	60.18	48.43	−1	+9	8.72	48.88	+6	−2	15.81	55.01	+1	−9
20	53.61	53.19	−4	+7	60.45	48.35	+2	+8	8.99	49.00	+5	−6	16.00	55.30	−2	−9
21	53.79	52.96	−2	+9	60.71	48.27	+5	+5	9.26	49.13	+3	−9	16.18	55.58	−5	−7
22	53.97	52.73	0	+9	60.98	48.21	+6	+1	9.53	49.26	0	−10	16.36	55.88	−7	−4
23	54.16	52.51	+3	+7	61.25	48.14	+6	−4	9.79	49.40	−4	−9	16.54	56.18	−8	0
24	54.36	52.29	+5	+3	61.52	48.09	+5	−8	10.06	49.55	−6	−6	16.71	56.48	−7	+3
25	54.55	52.08	+6	−1	61.79	48.04	+2	−10	10.32	49.70	−8	−2	16.88	56.79	−5	+5
26	54.75	51.87	+6	−6	62.07	47.99	−2	−10	10.58	49.85	−7	+1	17.04	57.10	−2	+6
27	54.95	51.66	+3	−9	62.34	47.95	−5	−8	10.83	50.01	−6	+4	17.20	57.41	+1	+5
28	55.16	51.46	+1	−10	62.61	47.92	−7	−4	11.09	50.18	−3	+6	17.35	57.73	+3	+3
29	55.37	51.26	−3	−9	62.89	47.89	−8	0	11.34	50.35	−1	+6	17.50	58.05	+5	0
30	55.58	51.07	−5	−6	63.17	47.87	−7	+3	11.60	50.53	+2	+4	17.65	58.37	+5	−2
31	55.80	50.88	−7	−2	63.45	47.86	−5	+6	11.84	50.72	+4	+2	17.79	58.70	+5	−5
32					63.73	47.85	−2	+6					17.92	59.03	+4	−6

δ	sec δ	tg δ	δ	sec δ	tg δ
−85° 24′ 40″	12.499	−12.459	−85° 24′ 50″	12.507	−12.467
50	12.507	−12.467	60	12.514	−12.474

$\alpha_{1937.0} = 9^h\ 6^m\ 12^s.83$ $\delta_{1937.0} = -85°\ 24'\ 49''.02$

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

Sd) ι Octantis $5^m.38$

Tag	Januar				Februar				März				April			
	AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder	
	12^h48^m	$-84°46'$	in $0^s.01$	in $0''.01$	12^h48^m	$-84°46'$	in $0^s.01$	in $0''.01$	12^h48^m	$-84°46'$	in $0^s.01$	in $0''.01$	12^h48^m	$-84°47'$	in $0^s.01$	in $0''.01$
1	11.37	40.77	−2	−10	19.15	46.03	−6	+3	24.32	54.58	−5	+5	27.02	6.09	+3	+7
2	11.63	40.85	−4	−7	19.37	46.28	−4	+5	24.46	54.93	−3	+7	27.05	6.47	+5	+5
3	11.90	40.94	−6	−4	19.59	46.54	−2	+7	24.59	55.28	−1	+8	27.08	6.85	+5	+2
4	12.16	41.04	−6	0	19.81	46.80	0	+8	24.72	55.64	+2	+8	27.10 27.12	7.23 7.61	+5 +4	0 −3
5	12.43	41.14	−5	+4	20.02	47.07	+3	+7	24.85	56.00	+4	+6	27.14	7.99	+1	−5
6	12.69	41.24	−3	+6	20.23	47.34	+4	+5	24.98	56.35	+5	+4	27.15	8.36	−1	−5
7	12.96	41.36	−1	+7	20.44	47.61	+5	+3	25.10	56.71	+5	+1	27.16	8.74	−4	−4
8	13.22	41.48	+1	+8	20.65	47.89	+5	0	25.22	57.07	+5	−2	27.16	9.11	−7	−1
9	13.48	41.60	+3	+6	20.85	48.17	+4	−3	25.33	57.44	+3	−4	27.17	9.49	−7	+2
10	13.74	41.73	+5	+4	21.06	48.46	+2	−5	25.44	57.80	0	−5	27.16	9.86	−7	+5
11	14.01	41.87	+6	+1	21.25	48.75	−1	−6	25.55	58.17	−2	−5	27.16	10.23	−4	+8
12	14.27	42.01	+5	−2	21.45	49.05	−3	−5	25.66	58.54	−5	−3	27.15	10.60	−1	+8
13	14.53	42.16	+4	−4	21.64	49.35	−6	−3	25.76	58.91	−7	−1	27.14	10.97	+3	+7
14	14.79	42.32	+1	−6	21.83	49.65	−7	+1	25.86	59.28	−7	+3	27.12	11.34	+6	+3
15	15.04	42.48	−2	−6	22.02	49.96	−7	+4	25.95	59.65	−6	+6	27.10	11.71	+8	−1
16	15.30	42.65	−5	−4	22.20	50.27	−5	+7	26.04	60.03	−3	+8	27.08	12.07	+8	−6
17	15.55	42.82	−7	−1	22.38	50.58	−1	+8	26.13	60.40	+1	+8	27.05	12.44	+6	−9
18	15.80	43.00	−7	+3	22.56	50.90	+2	+8	26.22	60.77	+4	+5	27.02	12.80	+3	−11
19	16.06	43.18	−6	+6	22.74	51.22	+5	+5	26.30	61.15	+7	+2	26.99	13.16	0	−11
20	16.31	43.37	−4	+8	22.91	51.54	+7	0	26.38	61.53	+8	−3	26.95	13.52	−3	−9
21	16.55	43.56	0	+9	23.08	51.87	+8	−4	26.45	61.91	+7	−7	26.91	13.88	−5	−6
22	16.80	43.76	+3	+7	23.25	52.20	+6	−8	26.52	62.29	+5	−10	26.87	14.23	−6	−2
23	17.05	43.96	+6	+3	23.41	52.53	+4	−10	26.59	62.67	+2	−11	26.82	14.58	−6	+2
24	17.29	44.17	+7	−1	23.57	52.87	0	−10	26.65	63.05	−1	−10	26.77	14.93	−4	+5
25	17.53	44.38	+7	−5	23.73	53.20	−3	−9	26.71	63.43	−4	−7	26.72	15.28	−2	+7
26	17.77	44.60	+5	−9	23.88	53.54	−5	−6	26.76	63.81	−6	−4	26.66	15.63	0	+7
27	18.00	44.83	+2	−10	24.03	53.89	−6	−2	26.81	64.19	−6	0	26.60	15.97	+2	+7
28	18.23	45.06	−1	−10	24.17	54.23	−6	+1	26.86	64.57	−5	+3	26.54	16.31	+4	+5
29	18.46	45.29	−4	−8	24.32	54.58	−5	+5	26.91	64.95	−3	+6	26.47	16.65	+5	+3
30	18.69	45.53	−5	−5					26.95	65.33	−1	+7	26.40	16.99	+5	+1
31	18.92	45.78	−6	−1					26.99	65.71	+1	+8	26.33	17.32	+4	−2
32	19.15	46.03	−6	+3					27.02	66.09	+3	+7				

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−84° 46′ 40″	10.987	−10.941	−84° 46′ 50″	10.993	−10.947	−84° 47′ 10″	11.004	−10.959
50	10.993	−10.947	60	10.998	−10.953	20	11.010	−10.965

$\alpha_{1937.0} = 12^h\ 48^m\ 8^s.79$ $\delta_{1937.0} = -84°\ 46'\ 54''.38$

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

Sd) ι Octantis $5^m.38$

Tag	Mai				Juni				Juli				August			
	AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder	
	$12^h 48^m$	— $84° 47'$	in $0^s.01$	in $0''.01$	$12^h 48^m$	— $84° 47'$	in $0^s.01$	in $0''.01$	$12^h 48^m$	— $84° 47'$	in $0^s.01$	in $0''.01$	$12^h 48^m$	— $84° 47'$	in $0^s.01$	in $0''.01$
1	26.33	17.32	+4	−2	22.60	26.02	−5	−3	16.97	30.33	−7	+6	10.55	29.57	+3	+7
2	26.25	17.65	+2	−4	22.44	26.24	−7	0	16.76	30.39	−5	+9	10.35	29.46	+6	+4
3	26.17	17.98	0	−4	22.27	26.45	−8	+4	16.55	30.45	−2	+10	10.16	29.34	+7	−1
4	26.09	18.30	−3	−4	22.10	26.66	−7	+7	16.35	30.50	+1	+9	9.96	29.21	+7	−5
5	26.00	18.62	−6	−2	21.93	26.86	−4	+9	16.14	30.54	+4	+6	9.77	29.08	+5	−9
6	25.91	18.94	−7	+1	21.76	27.06	−1	+9	15.93	30.58	+7	+1	9.58	28.95	+2	−10
7	25.82	19.26	−7	+5	21.59	27.25	+3	+7	15.72	30.61	+7	−3	9.39	28.81	−1	−10
8	25.72	19.57	−6	+8	21.42	27.44	+6	+4	15.51	30.64	+6	−7	9.21	28.66	−4	−8
9	25.63	19.88	−3	+9	21.24	27.62	+7	−1	15.30	30.66	+4	−10	9.02	28.51	−5	−4
10	25.53	20.19	+1	+8	21.06	27.80	+7	−6	15.09	30.67	+1	−11	8.84	28.36	−6	0
11	25.43	20.50	+4	+5	20.88	27.97	+6	−10	14.88	30.68	−2	−9	8.66	28.20	−5	+3
12	25.32	20.80	+7	+1	20.70	28.14	+3	−11	14.67	30.68	−5	−7	8.48	28.03	−3	+5
13	25.21	21.10	+8	−4	20.51	28.30	0	−11	14.46	30.68	−6	−3	8.30	27.86	−1	+6
14	25.10	21.39	+7	−8	20.32	28.46	−3	−9	14.25	30.68	−5	+1	8.12	27.69	+2	+6
15	24.98	21.68	+5	−11	20.14	28.61	−5	−6	14.04	30.66	−4	+4	7.95	27.51	+4	+5
16	24.86	21.97	+1	−12	19.95	28.76	−6	−2	13.83	30.64	−2	+6	7.78	27.32	+5	+3
17	24.74	22.25	−2	−10	19.76	28.90	−5	+2	13.62	30.62	0	+6	7.61	27.13	+5	+1
18	24.61	22.53	−4	−8	19.57	29.04	−3	+5	13.41	30.59	+2	+6	7.45	26.94	+5	−2
19	24.49	22.80	−6	−4	19.38	29.17	−1	+6	13.20	30.55	+4	+4	7.29	26.74	+4	−4
20	24.36	23.07	−6	0	19.18	29.30	+1	+7	12.99	30.51	+5	+2	7.13	26.53	+2	−5
21	24.23	23.34	−5	+3	18.99	29.42	+3	+6	12.78	30.46	+5	0	6.97	26.32	−1	−5
22	24.09	23.61	−3	+6	18.79	29.54	+5	+4	12.57	30.41	+5	−3	6.82	26.11	−4	−4
23	23.95	23.87	0	+7	18.59	29.65	+5	+2	12.37	30.35	+3	−5	6.67	25.89	−6	−2
24	23.81	24.13	+2	+7	18.40	29.75	+5	−1	12.16	30.29	+1	−6	6.52	25.67	−7	+2
25	23.67	24.38	+4	+6	18.20	29.85	+4	−3	11.95	30.22	−2	−5	6.37	25.45	−6	+5
26	23.53	24.63	+5	+4	17.99	29.95	+2	−5	11.75	30.14	−5	−3	6.23	25.22	−4	+8
27	23.38	24.87	+5	+2	17.79	30.04	−1	−5	11.55	30.06	−7	0	6.09	24.99	−1	+9
28	23.23	25.11	+5	−1	17.59	30.12	−4	−4	11.35	29.98	−7	+4	5.95	24.75	+2	+8
29	23.08	25.34	+3	−4	17.38	30.20	−6	−2	11.15	29.88	−6	+7	5.81	24.51	+5	+5
30	22.92	25.57	+1	−5	17.18	30.27	−7	+2	10.95	29.78	−3	+9	5.68	24.26	+7	+1
31	22.76	25.80	−2	−4	16.97	30.33	−7	+6	10.75	29.68	0	+9	5.55	24.01	+7	−4
32	22.60	26.02	−5	−3					10.55	29.57	+3	+7	5.43	23.76	+6	−8

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−84° 47′ 10″	11.004	−10.959	−84° 47′ 20″	11.010	−10.965	−84° 47′ 30″	11.016	−10.971
20	11.010	−10.965	30	11.016	−10.971	40	11.022	−10.976

$\alpha_{1937.0} = 12^h\ 48^m\ 8^s.79$ $\delta_{1937.0} = -84°\ 46'\ 54''.38$

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

Sd) ι Octantis $5^m.38$

Tag	September				Oktober				November				Dezember			
	AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder	
		—	in			—	in			—	in			—	in	
	12^h48^m	84° 47′	$0^s.01$	$0''.01$	12^h48^m	84° 47′	$0^s.01$	$0''.01$	12^h48^m	84° 46′	$0^s.01$	$0''.01$	12^h48^m	84° 46′	$0^s.01$	$0''.01$
1	$5^s.43$	$23''.76$	+6	− 8	$3^s.49$	$15''.01$	−2	− 9	$5^s.63$	$65''.77$	−5	+ 2	$11^s.41$	$59''.83$	+1	+ 6
2	5.31	23.51	+3	−10	3.49	14.69	−4	− 7	5.77	65.51	−3	+ 5	11.65	59.71	+3	+ 5
3	5.19	23.25	0	−10	*)3.50	14.38	−6	− 3	5.91	65.25	−1	+ 6	11.89	59.60	+4	+ 4
4	5.08	22.99	−3	− 8	3.51	14.07	−6	+ 1	6.06	64.99	+1	+ 6	12.13	59.50	+5	+ 2
5	4.97	22.72	−5	− 5	3.53	13.75	−5	+ 4	6.22	64.74	+3	+ 5	12.38	59.40	+5	− 1
6	4.86	22.46	−6	− 1	3.55	13.44	−3	+ 6	6.37	64.49	+5	+ 3	12.62	59.31	+4	− 3
7	4.76	22.18	−5	+ 2	3.57	13.13	0	+ 7	6.53	64.25	+5	+ 1	12.87	59.22	+2	− 4
8	4.66	21.91	−4	+ 5	3.60	12.81	+2	+ 6	6.70	64.01	+5	− 1	13.12	59.14	0	− 5
9	4.56	21.63	−2	+ 6	3.63	12.50	+4	+ 5	6.87	63.78	+4	− 3	13.37	59.07	−3	− 4
10	4.47	21.35	+1	+ 7	3.67	12.19	+5	+ 3	7.04	63.55	+2	− 4	13.63	59.00	−5	− 2
11	4.38	21.06	+3	+ 6	3.71	11.88	+5	0	7.22	63.32	−1	− 4	13.88	58.94	−7	+ 1
12	4.29	20.78	+4	+ 4	3.76	11.57	+5	− 2	7.40	63.10	−4	− 3	14.14	58.89	−7	+ 5
13	4.21	20.49	+5	+ 2	3.81	11.26	+3	− 4	7.58	62.88	−6	− 1	14.40	58.84	−6	+ 8
14	4.14	20.20	+5	0	3.87	10.96	+1	− 5	7.76	62.67	−7	+ 2	14.65	58.80	−4	+10
15	4.07	19.91	+4	− 3	3.93	10.65	−2	− 4	7.95	62.46	−7	+ 6	14.91	58.76	−1	+10
16	4.00	19.61	+2	− 4	3.99	10.35	−4	− 3	8.14	62.26	−5	+ 8	15.18	58.73	+3	+ 8
17	3.93	19.32	0	− 5	4.06	10.04	−6	0	8.34	62.06	−2	+ 9	15.44	58.71	+6	+ 4
18	3.87	19.02	−3	− 4	4.13	9.74	−7	+ 3	8.54	61.86	+1	+ 8	15.70	58.69	+7	− 1
19	3.82	18.72	−5	− 2	4.21	9.44	−6	+ 6	8.74	61.67	+4	+ 6	15.96	58.68	+7	− 5
20	3.77	18.42	−7	0	4.29	9.14	−4	+ 8	8.95	61.49	+6	+ 1	16.23	58.68	+5	− 9
21	3.72	18.11	−7	+ 4	4.38	8.84	−1	+ 9	9.16	61.31	+7	− 4	16.49	58.68	+2	−11
22	3.68	17.81	−5	+ 7	4.47	8.55	+3	+ 7	9.38	61.14	+6	− 8	16.76	58.69	−1	−11
23	3.64	17.50	−3	+ 8	4.57	8.26	+6	+ 4	9.59	60.97	+4	−11	17.03	58.71	−4	− 8
24	3.61	17.19	+1	+ 8	4.67	7.97	+7	0	9.81	60.81	+1	−11	17.29	58.73	−5	− 5
25	3.58	16.89	+4	+ 6	4.78	7.69	+7	− 5	10.03	60.65	−2	−10	17.56	58.76	−6	− 1
26	3.55	16.58	+6	+ 2	4.89	7.40	+5	− 9	10.25	60.50	−4	− 7	17.83	58.79	−5	+ 2
27	3.53	16.26	+7	− 3	5.00	7.12	+3	−11	10.48	60.35	−5	− 3	18.09	58.83	−2	+ 4
28	3.51	15.95	+6	− 7	5.12	6.84	0	−11	10.71	60.21	−5	+ 1	18.36	58.87	0	+ 5
29	3.50	15.64	+4	−10	5.24	6.57	−3	− 8	10.94	60.08	−4	+ 4	18.63	58.92	+2	+ 5
30	3.49	15.32	+1	−10	5.37	6.30	−5	− 5	11.18	59.95	−2	+ 5	18.90	58.98	+4	+ 4
31	3.49	15.01	−2	− 9	5.50	6.03	−6	− 1	11.41	59.83	+1	+ 6	19.16	59.05	+5	+ 2
32					5.63	5.77	−5	+ 2					19.43	59.12	+6	0

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−84° 46′ 50″	10.993	−10.947	−84° 47′ 0″	10.998	−10.953	−84° 47′ 20″	11.010	−10.965
60	10.998	−10.953	10	11.004	−10.959	30	11.016	−10.971

$\alpha_{1937.0} = 12^h\ 48^m\ 8^s.79$ $\qquad$ $\delta_{1937.0} = -84°\ 46'\ 54''.38$

*) Tag der doppelten unteren Kulmination: Okt. 3.

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

Se) Octantis 20 G. 6^m52

Tag	Januar AR.	Januar Dekl.	Januar ☾ Glieder		Februar AR.	Februar Dekl.	Februar ☾ Glieder		März AR.	März Dekl.	März ☾ Glieder		April AR.	April Dekl.	April ☾ Glieder	
	14^h55^m	$-87°53'$	in $0^s.01$	in $0''.01$	14^h55^m	$-87°53'$	in $0^s.01$	in $0''.01$	14^h55^m	$-87°53'$	in $0^s.01$	in $0''.01$	14^h55^m	$-87°53'$	in $0^s.01$	in $0''.01$
1	$2^s.96$	$33''.64$	+3	−11	$23^s.66$	$32''.62$	−14	−1	$42^s.28$	$36''.28$	−13	+1	$58^s.75$	$44''.27$	+1	+9
2	3.58	33.53	−4	−10	24.35	32.68	−13	+3	42.90	36.49	−11	+5	59.17	44.58	+6	+8
3	4.20	33.41	−9	−7	25.04	32.75	−9	+6	43.51	36.69	−7	+7	59.59	44.89	+9	+6
4	4.83	33.30	−12	−3	25.73	32.82	−5	+8	44.12	36.90	−2	+9	60.00	45.20	+11	+3
5	5.46	33.19	−13	0	26.42	32.90	0	+9	44.72	37.11	+3	+9	60.40	45.52	+10	0
6	6.10	33.10	−11	+4	27.10	32.98	+5	+8	45.32	37.33	+8	+7	60.79	45.83	+6	−4
7	6.74	33.01	−8	+7	27.79	33.07	+9	+7	45.91	37.55	+10	+4	61.18	46.15	0	−6
8	7.38	32.92	−3	+8	28.47	33.16	+12	+4	46.50	37.78	+11	+1	61.55	46.47	−6	−6
9	8.03	32.84	+2	+9	29.16	33.26	+12	0	47.08	38.01	+9	−2	61.92	46.79	−13	−5
10	8.68	32.76	+8	+7	29.84	33.36	+9	−3	47.66	38.24	+5	−5	62.28	47.12	−17	−3
11	9.34	32.69	+11	+5	30.52	33.47	+3	−6	48.23	38.48	−1	−7	62.63	47.44	−18	+1
12	10.00	32.63	+12	+2	31.20	33.58	−4	−7	48.79	38.72	−8	−7	62.98	47.77	−15	+5
13	10.67	32.57	+11	−2	31.88	33.70	−11	−7	49.35	38.97	−14	−5	63.31	48.10	−8	+7
14	11.34	32.52	+7	−5	32.55	33.82	−16	−4	49.91	39.22	−17	−2	63.64	48.43	+1	+8
15	12.01	32.48	0	−7	33.22	33.95	−17	0	50.46	39.47	−17	+2	63.95	48.77	+10	+7
16	12.68	32.44	−7	−7	33.89	34.09	−15	+4	51.00	39.73	−12	+6	64.26	49.10	+17	+4
17	13.36	32.41	−14	−5	34.55	34.23	−9	+7	51.54	39.99	−4	+8	64.56	49.43	+21	−1
18	14.04	32.38	−18	−2	35.22	34.37	−1	+9	52.07	40.25	+5	+8	64.85	49.77	+20	−5
19	14.72	32.36	−18	+2	35.88	34.52	+8	+8	52.59	40.52	+13	+6	65.14	50.11	+15	−9
20	15.40	32.35	−14	+6	36.53	34.68	+15	+5	53.10	40.79	+19	+2	65.41	50.45	+8	−11
21	16.08	32.34	−7	+8	37.19	34.84	+19	+1	53.61	41.07	+20	−2	65.68	50.79	0	−11
22	16.76	32.34	+2	+9	37.84	35.00	+19	−3	54.12	41.35	+18	−6	65.94	51.13	−6	−9
23	17.45	32.34	+10	+7	38.49	35.17	+15	−7	54.61	41.63	+12	−9	66.19	51.47	−11	−6
24	18.14	32.35	+17	+4	39.13	35.35	+9	−10	55.10	41.91	+5	−10	66.43	51.81	−13	−2
25	18.83	32.36	+19	−1	39.77	35.52	+1	−10	55.58	42.20	−3	−10	66.66	52.16	−12	+2
26	19.52	32.38	+18	−5	40.40	35.71	−6	−9	56.06	42.49	−9	−7	66.88	52.50	−9	+5
27	20.21	32.41	+13	−9	41.03	35.90	−11	−6	56.53	42.78	−13	−4	67.10	52.85	−5	+7
28	20.90	32.44	+6	−10	41.66	36.09	−13	−2	56.99	43.07	−14	0	67.30	53.19	0	+8
29	21.59	32.47	−2	−10	42.28	36.28	−13	+1	57.44	43.37	−12	+4	67.49	53.54	+5	+8
30	22.28	32.51	−8	−8					57.88	43.67	−8	+6	67.68	53.88	+9	+7
31	22.97	32.56	−12	−5					58.32	43.97	−4	+8	67.85	54.23	+11	+4
32	23.66	32.62	−14	−1					58.75	44.27	+1	+9				

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−87° 53′ 30″	27.182	−27.164	−87° 53′ 40″	27.218	−27.199	−87° 53′ 50″	27.254	−27.235
40	27.218	−27.199	50	27.254	−27.235	60	27.290	−27.271

$\alpha_{1937.0} = 14^h\ 55^m\ 11^s.86$ $\delta_{1937.0} = -87°\ 53'\ 46''.42$

Se) Octantis 20 G. $6^m.52$

Tag	Mai AR.	Mai Dekl.	Mai ☾ Glieder		Juni AR.	Juni Dekl.	Juni ☾ Glieder		Juli AR.	Juli Dekl.	Juli ☾ Glieder		August AR.	August Dekl.	August ☾ Glieder	
		—	in			—	in			—	in			—	in	
	$14^h 56^m$	$87° 53'$	$0^s.01$	$0''.01$	$14^h 56^m$	$87° 54'$	$0^s.01$	$0''.01$	$14^h 55^m$	$87° 54'$	$0^s.01$	$0''.01$	$14^h 55^m$	$87° 54'$	$0^s.01$	$0''.01$
1	$7^s.85$	$54''.23$	+11	+ 4	$8^s.53$	$5''.01$	− 8	− 6	$60^s.81$	$13''.12$	−19	+ 1	$46^s.52$	$17''.45$	+ 1	+ 9
2	8.02	54.57	+10	+ 1	8.40	5.32	−15	− 4	60.43	13.33	−17	+ 5	45.99	17.50	+10	+ 7
3	8.18	54.92	+ 8	− 2	8.26	5.64	−19	− 1	60.04	13.54	−12	+ 8	45.46	17.55	+16	+ 4
4	8.33	55.27	+ 2	− 5	8.11	5.94	−19	+ 3	59.65	13.74	− 4	+10	44.93	17.60	+18	− 1
5	8.46	55.61	− 4	− 6	7.95	6.25	−15	+ 6	59.25	13.94	+ 5	+ 9	44.40	17.63	+16	− 6
6	{ 8.59 { 8.71	55.96 56.31	−11 −17	− 6 } − 3 }	7.78	6.55	− 8	+ 9	58.85	14.13	+13	+ 6	43.87	17.66	+11	− 9
7	8.82	56.65	−19	0	7.60	6.85	+ 1	+ 9	58.44	14.32	+18	+ 2	43.34	17.69	+ 4	−10
8	8.92	57.00	−17	+ 4	7.41	7.15	+10	+ 7	58.02	14.51	+19	− 3	42.80	17.71	− 3	−10
9	9.02	57.35	−12	+ 7	7.22	7.45	+17	+ 4	57.60	14.69	+16	− 8	42.26	17.72	− 9	− 8
10	9.10	57.69	− 3	+ 9	7.01	7.74	+20	− 1	57.17	14.87	+ 9	−10	41.72	17.73	−12	− 4
11	9.17	58.04	+ 6	+ 8	6.80	8.03	+19	− 6	56.74	15.04	+ 2	−11	41.18	17.73	−12	0
12	9.24	58.38	+14	+ 5	6.58	8.32	+14	− 9	56.30	15.21	− 5	−10	40.64	17.73	−10	+ 3
13	9.29	58.72	+19	+ 1	6.35	8.60	+ 7	−11	55.85	15.37	−10	− 7	40.10	17.72	− 6	+ 6
14	9.33	59.07	+21	− 3	6.11	8.88	0	−11	55.40	15.53	−12	− 2	39.56	17.70	− 1	+ 7
15	9.37	59.41	+18	− 8	5.86	9.16	− 6	− 9	54.95	15.68	−11	+ 1	39.02	17.68	+ 4	+ 7
16	9.39	59.75	+12	−10	5.60	9.44	−11	− 5	54.49	15.82	− 9	+ 4	38.48	17.66	+ 8	+ 6
17	9.41	60.09	+ 4	−11	5.34	9.71	−12	− 1	54.02	15.96	− 4	+ 6	37.94	17.62	+11	+ 4
18	9.42	60.43	− 3	−10	5.07	9.98	−11	+ 2	53.55	16.10	+ 1	+ 8	37.41	17.59	+12	+ 2
19	9.41	60.76	− 9	− 7	4.79	10.24	− 7	+ 5	53.07	16.23	+ 6	+ 7	36.87	17.54	+11	− 1
20	9.40	61.10	−12	− 3	4.50	10.50	− 3	+ 7	52.59	16.36	+10	+ 6	36.33	17.49	+ 7	− 4
21	9.38	61.44	−12	0	4.20	10.76	+ 2	+ 8	52.10	16.48	+12	+ 3	35.79	17.43	+ 1	− 6
22	9.35	61.77	−10	+ 4	3.89	11.02	+ 7	+ 7	51.61	16.59	+12	0	35.26	17.37	− 5	− 7
23	9.31	62.10	− 6	+ 6	3.58	11.27	+10	+ 5	51.12	16.70	+10	− 3	34.73	17.31	−12	− 5
24	9.26	62.43	− 1	+ 8	3.26	11.51	+12	+ 3	50.62	16.81	+ 5	− 5	34.20	17.23	−16	− 3
25	9.20	62.76	+ 4	+ 8	2.93	11.76	+11	0	50.12	16.91	− 1	− 7	33.67	17.15	−18	+ 1
26	9.13	63.09	+ 8	+ 7	2.60	12.00	+ 8	− 3	49.61	17.00	− 8	− 6	33.15	17.07	−15	+ 5
27	9.05	63.41	+10	+ 5	2.26	12.23	+ 2	− 6	49.10	17.09	−14	− 4	32.62	16.98	− 9	+ 8
28	8.97	63.74	+11	+ 2	1.91	12.46	− 5	− 6	48.59	17.17	−18	− 1	32.10	16.88	− 1	+ 9
29	8.87	64.06	+ 9	− 1	1.55	12.68	−12	− 5	48.08	17.25	−18	+ 3	31.58	16.78	+ 7	+ 8
30	8.77	64.38	+ 5	− 4	1.18	12.90	−17	− 3	47.56	17.32	−14	+ 7	31.06	16.67	+14	+ 5
31	8.65	64.69	− 1	− 6	0.81	13.12	−19	+ 1	47.04	17.39	− 7	+ 9	30.55	16.55	+18	+ 1
32	8.53	65.01	− 8	− 6					46.52	17.45	+ 1	+ 9	30.04	16.43	+17	− 4

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−87° 53′ 50″	27.254	−27.235	−87° 54′ 0″	27.290	−27.271	−87° 54′ 10″	27.326	−27.308
60	27.290	−27.271	10	27.326	−27.308	20	27.362	−27.344

$\alpha_{1937.0} = 14^h\ 55^m\ 11^s.86$ $\delta_{1937.0} = -87°\ 53'\ 46''.42$

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

Se) Octantis 20 G. $6^{m}.52$

Tag	September				Oktober				November				Dezember			
	AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder	
		—	in			—	in			—	in			—	in	
	$14^{h}55^{m}$	$87°54'$	$0^{s}.01$	$0''.01$	$14^{h}55^{m}$	$87°54'$	$0^{s}.01$	$0''.01$	$14^{h}55^{m}$	$87°53'$	$0^{s}.01$	$0''.01$	$14^{h}55^{m}$	$87°53'$	$0^{s}.01$	$0''.01$
1	30.04	16.43	+17	−4	17.33	10.50	+3	−10	12.62	61.13	−12	−1	18.48	51.99	−3	+6
2	29.53	16.31	+13	−8	17.02	10.23	−4	−9	12.65	60.81	−11	+3	18.85	51.72	+2	+7
3	29.03	16.18	+7	−10	16.73	9.96	−10	−7	12.69	60.49	−7	+6	19.23	51.46	+7	+7
4	28.54	16.04	−1	−10	16.44	9.69	−12	−3	*)12.74	60.16	−2	+7	19.61	51.20	+10	+5
5	28.05	15.90	−7	−8	16.16	9.42	−12	+1	12.80	59.84	+3	+8	20.01	50.94	+12	+3
6	27.56	15.75	−11	−5	15.89	9.14	−10	+4	12.88	59.52	+8	+7	20.42	50.69	+11	0
7	27.07	15.60	−13	−1	15.63	8.86	−5	+6	12.96	59.20	+11	+5	20.83	50.44	+8	−2
8	26.59	15.44	−11	+2	15.38	8.57	0	+8	13.06	58.88	+11	+2	21.26	50.19	+3	−4
9	26.12	15.28	−8	+5	15.14	8.28	+5	+7	13.17	58.56	+10	0	21.70	49.95	−3	−6
10	25.65	15.11	−3	+7	14.91	7.99	+8	+6	13.29	58.24	+6	−3	22.15	49.71	−9	−5
11	25.19	14.94	+2	+8	14.69	7.69	+11	+4	13.43	57.93	+1	−5	22.60	49.48	−15	−3
12	24.73	14.76	+7	+7	14.48	7.40	+11	+1	13.57	57.61	−6	−6	23.06	49.25	−19	0
13	24.28	14.58	+10	+5	14.28	7.10	+9	−2	13.73	57.30	−12	−5	23.54	49.03	−19	+3
14	23.84	14.39	+11	+3	14.10	6.80	+5	−4	13.89	56.98	−17	−2	24.02	48.81	−15	+7
15	23.40	14.20	+11	0	13.92	6.50	−1	−6	14.07	56.67	−19	+1	24.50	48.59	−9	+9
16	22.96	14.00	+8	−3	13.75	6.19	−7	−6	14.26	56.36	−17	+4	25.00	48.38	0	+9
17	22.54	13.80	+3	−5	13.60	5.89	−13	−4	14.47	56.05	−12	+7	25.51	48.17	+9	+7
18	22.12	13.59	−3	−6	13.45	5.58	−17	−1	14.68	55.74	−4	+9	26.02	47.97	+15	+4
19	21.70	13.38	−10	−6	13.32	5.27	−18	+2	14.91	55.43	+5	+8	26.54	47.77	+18	−1
20	21.29	13.16	−15	−4	13.20	4.96	−14	+5	15.15	55.13	+13	+5	27.07	47.58	+17	−6
21	20.89	12.94	−18	−1	13.09	4.64	−8	+8	15.40	54.83	+18	+1	27.61	47.40	+13	−9
22	20.50	12.72	−17	+3	12.99	4.33	+1	+8	15.66	54.54	+19	−3	28.16	47.22	+6	−11
23	20.11	12.49	−12	+6	12.90	4.02	+10	+7	15.93	54.24	+16	−8	28.71	47.04	−2	−10
24	19.74	12.26	−4	+8	12.82	3.70	+16	+4	16.21	53.95	+10	−10	29.26	46.87	−7	−8
25	19.37	12.02	+4	+8	12.76	3.38	+19	−1	16.50	53.66	+3	−11	29.83	46.71	−11	−5
26	19.01	11.77	+12	+6	12.70	3.06	+18	−5	16.80	53.37	−4	−9	30.40	46.55	−11	−1
27	18.66	11.53	+17	+2	12.66	2.74	+14	−9	17.12	53.09	−9	−7	30.98	46.39	−9	+3
28	18.31	11.28	+19	−2	12.63	2.42	+7	−10	17.44	52.81	−11	−3	31.56	46.24	−4	+6
29	17.98	11.02	+16	−6	12.61	2.10	−1	−10	17.78	52.53	−11	+1	32.15	46.10	+1	+7
30	17.65	10.76	+10	−9	12.60	1.78	−7	−8	18.12	52.26	−8	+4	32.75	45.96	+6	+7
31	17.33	10.50	+3	−10	12.61	1.45	−11	−5	18.48	51.99	−3	+6	33.35	45.82	+10	+6
32					12.62	1.13	−12	−1					33.95	45.69	+12	+3

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−87° 53′ 40″	27.218	−27.199	−87° 53′ 50″	27.254	−27.235	−87° 54′ 10″	27.326	−27.308
50	27.254	−27.235	60	27.290	−27.271	20	27.362	−27.344

$\alpha_{1937.0} = 14^{h}\ 55^{m}\ 11^{s}.86$ $\delta_{1937.0} = -87°\ 53'\ 46''.42$

*) Tag der doppelten unteren Kulmination: Nov. 4.

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

Sf) Octantis 26 G. $6^{m}.13$

Tag	Januar				Februar				März				April			
	AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder	
	$16^h 36^m$	$-86° 15'$	in $0^s.01$	in $0''.01$	$16^h 37^m$	$-86° 15'$	in $0^s.01$	in $0''.01$	$16^h 37^m$	$-86° 15'$	in $0^s.01$	in $0''.01$	$16^h 37^m$	$-86° 15'$	in $0^s.01$	in $0''.01$
1	$50^s.25$	$16''.99$	+7	−9	$0^s.42$	$11''.38$	−7	−4	$11^s.56$	$10''.42$	−8	−1	$23^s.51$	$13''.80$	−3	+8
2	50.51	16.75	+2	−10	0.80	11.28	−8	0	11.96	10.46	−8	+2	23.86	13.98	0	+8
3	50.78	16.51	−2	−8	1.18	11.18	−8	+4	12.37	10.50	−7	+5	24.21	14.16	+2	+7
4	51.06	16.27	−5	−6	1.56	11.09	−6	+6	12.77	10.55	−5	+8	24.56	14.35	+4	+5
5	51.34	16.03	−7	−2	1.95	11.00	−4	+8	13.17	10.60	−2	+9	24.90	14.54	+5	+2
6	51.62	15.80	−8	+1	2.34	10.91	−1	+9	13.57	10.66	+1	+8	25.24	14.73	+5	−2
7	51.91	15.57	−7	+5	2.73	10.83	+2	+8	13.98	10.72	+4	+6	25.58	14.93	+3	−6
8	52.20	15.35	−5	+7	3.12	10.76	+5	+5	14.38	10.79	+5	+3	25.92	15.13	−1	−8
9	52.50	15.13	−3	+9	3.51	10.69	+6	+2	14.77	10.86	+6	0	26.25	15.33	−5	−8
10	52.81	14.92	+1	+9	3.90	10.63	+6	−2	15.17	10.94	+5	−4	26.58	15.54	−8	−6
11	53.11	14.71	+4	+7	4.30	10.57	+5	−6	15.57	11.02	+2	−7	26.90	15.75	−10	−3
12	53.42	14.50	+6	+4	4.70	10.52	+1	−8	15.96	11.11	−1	−8	27.22	15.96	−10	+1
13	53.74	14.30	+7	0	5.10	10.47	−3	−9	16.36	11.20	−5	−8	27.54	16.18	−7	+5
14	54.06	14.10	+6	−3	5.50	10.43	−7	−7	16.75	11.30	−8	−5	27.85	16.40	−3	+8
15	54.39	13.91	+3	−6	5.89	10.39	−9	−4	17.14	11.40	−10	−1	28.16	16.63	+2	+9
16	54.72	13.72	0	−8	6.29	10.36	−10	0	17.53	11.51	−9	+3	28.47	16.86	+8	+7
17	55.05	13.54	−5	−8	6.70	10.33	−8	+5	17.92	11.62	−6	+7	28.77	17.09	+12	+4
18	55.38	13.36	−9	−6	7.10	10.31	−4	+8	18.31	11.74	−1	+9	29.07	17.33	+13	−1
19	55.72	13.19	−11	−2	7.50	10.30	+1	+9	18.69	11.86	+5	+8	29.36	17.56	+12	−5
20	56.06	13.02	−10	+3	7.91	10.29	+6	+8	19.08	11.98	+9	+6	29.65	17.80	+9	−8
21	56.41	12.86	−8	+6	8.31	10.28	+10	+5	19.46	12.11	+12	+2	29.94	18.05	+5	−10
22	56.76	12.70	−3	+9	8.72	10.28	+12	+1	19.84	12.24	+13	−2	30.23	18.29	0	−9
23	57.11	12.55	+3	+9	9.13	10.28	+12	−4	20.21	12.38	+11	−6	30.51	18.54	−4	−7
24	57.47	12.40	+8	+7	9.53	10.29	+9	−7	20.59	12.52	+7	−9	30.79	18.79	−6	−4
25	57.83	12.26	+11	+3	9.94	10.31	+5	−9	20.96	12.66	+3	−10	31.06	19.04	−8	−1
26	58.19	12.12	+12	−1	10.34	10.33	+1	−9	21.33	12.81	−2	−9	31.32	19.30	−8	+3
27	58.55	11.98	+11	−5	10.75	10.35	−3	−8	21.70	12.97	−5	−6	31.59	19.56	−6	+6
28	58.92	11.85	+8	−8	11.15	10.38	−6	−5	22.07	13.13	−7	−3	31.85	19.82	−4	+8
29	59.29	11.73	+4	−10	11.56	10.42	−8	−1	22.43	13.29	−8	+1	32.10	20.09	−1	+9
30	59.66	11.61	−1	−9					22.79	13.45	−8	+4	32.35	20.35	+2	+8
31	60.04	11.49	−4	−7					23.15	13.62	−6	+7	32.59	20.62	+4	+6
32	60.42	11.38	−7	−4					23.51	13.80	−3	+8				

δ	sec δ	tg δ	δ	sec δ	tg δ
−86° 15′ 10″	15.301	−15.268	−86° 15′ 20″	15.312	−15.280
20	15.312	−15.280	30	15.324	−15.291

$\alpha_{1937.0} = 16^h\ 36^m\ 59^s.86$ $\delta_{1937.0} = -86°\ 15'\ 26''.12$

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

Sf) Octantis 26 G. $6^m.13$

Tag	Mai				Juni				Juli				August			
	AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder	
		—	in			—	in			—	in			—	in	
	$16^h 37^m$	86° 15′	$0^s.01$	0″.01	$16^h 37^m$	86° 15′	$0^s.01$	0″.01	$16^h 37^m$	86° 15′	$0^s.01$	0″.01	$16^h 37^m$	86° 15′	$0^s.01$	0″.01
1	$32^s.59$	20″.62	+ 4	+ 6	$37^s.77$ 37.85	29″.83 30.14	+ 2 − 2	− 6 − 8	$37^s.71$	39″.20	−11	− 3	$32^s.56$	46″.40	− 3	+ 9
2	32.83	20.89	+ 5	+ 3	37.93	30.45	− 6	− 7	37.62	39.48	−12	+ 1	32.32	46.57	+ 2	+ 9
3	33.07	21.17	+ 5	− 1	38.00	30.76	−10	− 5	37.52	39.76	−10	+ 5	32.08	46.74	+ 7	+ 7
4	33.30	21.45	+ 3	− 4	38.06	31.08	−12	− 2	37.42	40.03	− 6	+ 8	31.84	46.90	+10	+ 3
5	33.53	21.73	0	− 7	38.12	31.39	−11	+ 3	37.31	40.30	− 1	+ 9	31.59	47.05	+11	− 2
6	33.76	22.01	− 3	− 8	38.18	31.70	− 8	+ 6	37.20	40.57	+ 5	+ 8	31.34	47.21	+10	− 6
7	33.98	22.29	− 7	− 7	38.23	32.01	− 4	+ 9	37.08	40.83	+ 9	+ 5	31.08	47.35	+ 7	− 9
8	34.19	22.58	−10	− 4	38.27	32.32	+ 2	+ 9	36.96	41.10	+12	+ 1	30.82	47.49	+ 3	−10
9	34.40	22.86	−11	0	38.31	32.63	+ 7	+ 7	36.83	41.36	+12	− 4	30.56	47.63	− 1	− 9
10	34.60	23.15	−10	+ 4	38.34	32.94	+11	+ 3	36.70	41.62	+10	− 8	30.30	47.76	− 4	− 6
11	34.80	23.44	− 6	+ 7	38.36	33.25	+13	− 1	36.56	41.87	+ 6	−10	30.03	47.89	− 6	− 3
12	34.99	23.74	− 1	+ 9	38.38	33.56	+12	− 6	36.42	42.12	+ 2	−10	29.76	48.01	− 7	+ 1
13	35.18	24.03	+ 5	+ 8	38.40	33.87	+ 9	− 9	36.27	42.37	− 2	− 8	29.49	48.12	− 6	+ 4
14	35.36	24.33	+10	+ 5	38.41	34.18	+ 5	−10	36.12	42.61	− 5	− 5	29.22	48.23	− 4	+ 7
15	35.54	24.62	+13	+ 1	38.41	34.48	0	− 9	35.96	42.86	− 7	− 1	28.94	48.34	− 1	+ 8
16	35.71	24.92	+13	− 3	38.41	34.79	− 3	− 7	35.79	43.09	− 7	+ 2	28.66	48.44	+ 1	+ 8
17	35.88	25.22	+11	− 7	38.40	35.09	− 6	− 4	35.62	43.33	− 5	+ 5	28.38	48.53	+ 4	+ 6
18	36.04	25.52	+ 7	− 9	38.39	35.40	− 7	0	35.45	43.56	− 3	+ 7	28.10	48.62	+ 6	+ 4
19	36.20	25.82	+ 3	−10	38.37	35.70	− 6	+ 3	35.27	43.79	0	+ 8	27.81	48.71	+ 6	+ 1
20	36.35	26.13	− 2	− 8	38.34	36.00	− 5	+ 6	35.09	44.01	+ 2	+ 8	27.52	48.79	+ 6	− 2
21	36.50	26.43	− 5	− 6	38.31	36.30	− 2	+ 8	34.90	44.23	+ 5	+ 6	27.23	48.87	+ 4	− 6
22	36.64	26.73	− 7	− 2	38.27	36.60	0	+ 8	34.71	44.45	+ 6	+ 3	26.93	48.94	0	− 7
23	36.78	27.04	− 7	+ 2	38.23	36.90	+ 3	+ 7	34.51	44.66	+ 6	0	26.63	49.00	− 4	− 8
24	36.91	27.35	− 6	+ 5	38.18	37.19	+ 5	+ 5	34.31	44.87	+ 5	− 4	26.34	49.06	− 8	− 6
25	37.03	27.66	− 4	+ 7	38.13	37.48	+ 6	+ 2	34.11	45.08	+ 2	− 7	26.04	49.11	−10	− 3
26	37.15	27.97	− 2	+ 8	38.07	37.77	+ 6	− 2	33.90	45.28	− 2	− 8	25.74	49.15	−11	+ 1
27	37.27	28.28	+ 1	+ 8	38.01	38.06	+ 4	− 5	33.69	45.48	− 6	− 7	25.44	49.19	− 9	+ 5
28	37.38	28.59	+ 3	+ 6	37.94	38.35	0	− 7	33.47	45.67	− 9	− 5	25.14	49.23	− 5	+ 8
29	37.48	28.90	+ 5	+ 4	37.87	38.64	− 4	− 8	33.25	45.86	−11	− 1	24.83	49.26	0	+ 9
30	37.58	29.21	+ 6	+ 1	37.79	38.92	− 8	− 6	33.02	46.04	−11	+ 3	24.53	49.28	+ 5	+ 8
31	37.68	29.52	+ 5	− 2	37.71	39.20	−11	− 3	32.79	46.22	− 8	+ 7	24.22	49.30	+ 9	+ 4
32	37.77 37.85	29.83 30.14	+ 2 − 2	− 6 − 8					32.56	46.40	− 3	+ 9	23.91	49.31	+11	0

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−86° 15′ 20″	15.312	−15.280	−86° 15′ 30″	15.324	−15.291	−86° 15′ 40″	15.335	−15.303
30	15.324	−15.291	40	15.335	−15.303	50	15.347	−15.314

$\alpha_{1937.0} = 16^h\ 36^m\ 59^s.86$ $\delta_{1937.0} = -86°\ 15'\ 26''.12$

Obere Kulmination Greenwich

Sf) Octantis 26 G. $6^m.13$

Tag	September AR.	September Dekl.	September ☾ Glieder		Oktober AR.	Oktober Dekl.	Oktober ☾ Glieder		November AR.	November Dekl.	November ☾ Glieder		Dezember AR.	Dezember Dekl.	Dezember ☾ Glieder	
	$16^h 37^m$	— 86° 15′	in $0^s.01$	in $0''.01$	$16^h 37^m$	— 86° 15′	in $0^s.01$	in $0''.01$	$16^h 37^m$	— 86° 15′	in $0^s.01$	in $0''.01$	$16^h 37^m$	— 86° 15′	in $0^s.01$	in $0''.01$
1	$23^s.91$	$49''.31$	+11	0	$14^s.96$	$46''.95$	+6	−9	$8^s.53$	$39''.71$	−6	−3	$7^s.58$	$30''.24$	−5	+5
2	23.60	49.31	+11	−4	14.69	46.79	+2	−10	8.41	39.42	−7	0	7.65	29.92	−2	+7
3	23.29	49.31	+8	−8	14.42	46.62	−2	−8	8.29	39.12	−6	+4	7.73	29.60	0	+8
4	22.99	49.31	+4	−10	14.16	46.44	−5	−5	8.17	38.83	−4	+6	7.81	29.28	+3	+7
5	22.68	49.30	0	−9	13.90	46.26	−7	−2	8.07	38.53	−2	+8	7.90	28.96	+5	+5
6	22.37	49.28	−4	−7	13.65	46.08	−7	+2	7.97	38.22	+1	+8	8.00	28.64	+6	+3
7	22.06	49.26	−6	−4	13.39	45.89	−6	+5	7.87	37.92	+3	+7	8.11	28.33	+6	−1
8	21.76	49.23	−7	0	13.15	45.69	−4	+7	7.78	37.61	+5	+4	8.22	28.01	+4	−4
9	21.45	49.19	−7	+3	12.90	45.49	−1	+8	7.70	37.30	+5	+1	8.34	27.70	+1	−6
10	21.14	49.15	−5	+6	12.66	45.28	+2	+7	7.62	36.99	+5	−2	8.46	27.39	−3	−7
11	20.83	49.10	−3	+7	12.42	45.07	+4	+6	7.55	36.67	+3	−4	8.59	27.08	−7	−6
12	20.52	49.05	0	+8	12.19	44.86	+5	+3	7.49	36.36	−1	−7	8.73	26.77	−10	−4
13	20.22	48.99	+3	+7	11.96	44.64	+6	0	7.44	36.04	−4	−7	8.88	26.46	−12	−1
14	19.91	48.93	+5	+5	11.74	44.42	+5	−3	7.39	35.73	−8	−6	9.03	26.16	−11	+3
15	19.61	48.86	+6	+2	11.52	44.19	+2	−6	7.35	35.41	−11	−3	9.19	25.86	−9	+7
16	19.30	48.78	+6	−1	11.30	43.95	−1	−7	7.31	35.09	−11	0	9.35	25.55	−4	+9
17	19.00	48.70	+4	−4	11.09	43.72	−5	−7	7.28	34.77	−10	+5	9.52	25.26	+1	+9
18	18.70	48.61	+1	−7	10.88	43.48	−9	−5	7.26	34.45	−6	+8	9.70	24.96	+7	+7
19	18.40	48.52	−2	−8	10.68	43.23	−10	−2	7.24	34.12	−1	+9	9.88	24.67	+10	+3
20	18.10	48.42	−6	−7	10.48	42.98	−10	+2	7.23	33.80	+5	+8	10.07	24.38	+12	−2
21	17.81	48.32	−9	−4	10.29	42.73	−8	+6	7.23	33.47	+9	+5	10.27	24.09	+11	−6
22	17.51	48.21	−10	−1	10.10	42.47	−3	+8	7.24	33.15	+12	+1	10.47	23.81	+8	−9
23	17.22	48.09	−9	+3	9.92	42.21	+2	+9	7.25	32.83	+12	−4	10.67	23.53	+4	−10
24	16.93	47.97	−6	+7	9.75	41.94	+7	+7	7.26	32.50	+10	−7	10.88	23.25	0	−9
25	16.64	47.84	−1	+8	9.57	41.67	+11	+3	7.29	32.18	+7	−10	11.10	22.97	−4	−7
26	16.36	47.71	+4	+8	9.41	41.40	+12	−1	7.32	31.86	+2	−10	11.32	22.70	−6	−3
27	16.07	47.57	+8	+6	9.25	41.13	+11	−5	7.36	31.53	−2	−8	11.55	22.43	−6	+1
28	15.79	47.42	+11	+2	9.09	40.85	+8	−8	7.40	31.21	−5	−5	11.79	22.16	−5	+4
29	15.51	47.27	+12	−3	8.94	40.57	+4	−10	7.45	30.89	−6	−1	12.03	21.90	−3	+6
30	15.23	47.11	+10	−7	8.80	40.29	0	−9	*)7.51	30.56	−6	+3	12.28	21.64	0	+8
31	14.96	46.95	+6	−9	8.66	40.00	−4	−7	7.58	30.24	−5	+5	12.53	21.38	+3	+7
32					8.53	39.71	−6	−3					12.78	21.13	+5	+6

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−86° 15′ 20″	15.312	−15.280	−86° 15′ 30″	15.324	−15.291	−86° 15′ 40″	15.335	−15.303
30	15.324	−15.291	40	15.335	−15.303	50	15.347	−15.314

$\alpha_{1937.0} = 16^h\ 36^m\ 59^s.86$ $\delta_{1937.0} = -86°\ 15'\ 26''.12$

*) Tag der doppelten unteren Kulmination: Nov. 30.

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

Sg) χ Octantis $5^{m}.22$

Tag	Januar				Februar				März				April			
	AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder	
	$18^h 17^m$	$-87° 39'$	in $0^s.01$	in $0''.01$	$18^h 17^m$	$-87° 39'$	in $0^s.01$	in $0''.01$	$18^h 18^m$	$-87° 39'$	in $0^s.01$	in $0''.01$	$18^h 18^m$	$-87° 39'$	in $0^s.01$	in $0''.01$
	s	"			s	"			s	"			s	"		
1	44.77	29.31	+16	−6	55.27	20.06	−8	−6	10.49	14.59	−10	−4	30.00	12.74	−10	+7
2	44.97	28.98	+10	−8	55.74	19.81	−12	−3	11.10	14.46	−13	−1	30.63	12.76	−6	+8
3	45.18	28.65	+3	−8	56.22	19.56	−13	+1	11.71	14.33	−14	+3	31.26	12.78	−1	+8
4	45.40	28.32	−4	−7	56.70	19.32	−13	+4	12.32	14.21	−12	+6	31.89	12.81	+3	+6
5	45.64	27.99	−9	−5	57.19	19.08	−11	+6	12.94	14.09	−9	+7	32.52	12.84	+7	+3
6	45.88	27.67	−12	−2	57.68	18.84	−7	+8	13.55	13.98	−4	+8	33.14	12.87	+9	0
7	46.13	27.34	−13	+2	58.18	18.61	−2	+8	14.17	13.87	+1	+7	33.76	12.91	+8	−4
8	46.39	27.02	−12	+5	58.69	18.38	+3	+6	14.79	13.76	+6	+5	34.38	12.96	+4	−7
9	46.65	26.70	−9	+7	59.20	18.15	+8	+4	15.42	13.67	+9	+2	35.00	13.01	−1	−9
10	46.93	26.38	−5	+8	59.72	17.94	+10	0	16.04	13.57	+10	−2	35.62	13.06	−7	−9
11	47.22	26.07	+1	+8	60.24	17.72	+10	−4	16.67	13.48	+8	−6	36.24	13.12	−12	−6
12	47.52	25.75	+6	+6	60.77	17.51	+7	−7	17.30	13.40	+3	−8	36.85	13.19	−15	−2
13	47.82	25.44	+9	+3	61.30	17.30	+1	−9	17.93	13.32	−3	−9	37.46	13.26	−14	+2
14	48.14	25.13	+11	−1	61.84	17.10	−5	−9	18.56	13.25	−9	−8	38.07	13.33	−9	+7
15	48.47	24.82	+9	−5	62.39	16.90	−11	−7	19.19	13.18	−13	−5	38.67	13.41	−2	+9
16	48.80	24.52	+5	−8	62.94	16.71	−15	−3	19.83	13.12	−14	0	39.27	13.50	+6	+9
17	49.14	24.22	−2	−9	63.49	16.52	−15	+2	20.46	13.06	−12	+4	39.87	13.58	+14	+8
18	49.50	23.92	−9	−8	64.05	16.34	−11	+6	21.10	13.00	−7	+8	40.47	13.67	+19	+4
19	49.86	23.63	−14	−5	64.62	16.16	−5	+9	21.73	12.95	+1	+10	41.06	13.77	+20	0
20	50.22	23.33	−16	−1	65.19	15.98	+3	+10	22.37	12.91	+9	+9	41.65	13.87	+18	−4
21	50.60	23.04	−15	+3	65.76	15.81	+11	+8	23.00	12.87	+16	+7	42.23	13.98	+13	−8
22	50.99	22.75	−10	+7	66.34	15.64	+17	+5	23.64	12.83	+19	+2	42.81	14.09	+7	−9
23	51.38	22.47	−2	+9	66.92	15.48	+19	0	24.27	12.80	+19	−2	43.39	14.20	0	−8
24	51.78	22.19	+6	+9	67.51	15.32	+18	−4	24.91	12.78	+16	−6	43.96	14.32	−6	−6
25	52.19	21.91	+13	+7	68.10	15.17	+13	−7	25.55	12.76	+10	−8	44.53	14.44	−11	−3
26	52.61	21.64	+18	+3	68.69	15.02	+7	−8	26.19	12.74	+3	−9	45.10	14.56	−13	0
27	53.03	21.37	+19	−1	69.29	14.87	+1	−8	26.83	12.73	−3	−7	45.66	14.69	−13	+3
28	53.47	21.10	+16	−5	69.89	14.73	−6	−7	27.46	12.72	−9	−5	46.21	14.82	−11	+6
29	53.91	20.83	+11	−8	70.49	14.59	−10	−4	28.10	12.72	−12	−2	46.77	14.96	−7	+8
30	54.35	20.57	+5	−9					28.73	12.72	−13	+1	47.31	15.11	−3	+8
31	54.81	20.31	−2	−8					29.37	12.73	−13	+4	47.86	15.25	+1	+7
32	55.27	20.06	−8	−6					30.00	12.74	−10	+7				

δ	sec δ	tg δ	δ	sec δ	tg δ
$-87° 39' 10''$	24.417	−24.396	$-87° 39' 20''$	24.446	−24.425
20	24.446	−24.425	30	24.475	−24.454

$\alpha_{1937.0} = 18^h\ 18^m\ 5^s.57$ $\delta_{1937.0} = -87°\ 39'\ 33''.17$

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

8g) χ Octantis $5^m.22$

Tag	Mai AR.	Mai Dekl.	Mai ☾ Glieder in 0.01 s	Mai ☾ Glieder in 0.01″	Juni AR.	Juni Dekl.	Juni ☾ Glieder in 0.01 s	Juni ☾ Glieder in 0.01″	Juli AR.	Juli Dekl.	Juli ☾ Glieder in 0.01 s	Juli ☾ Glieder in 0.01″	August AR.	August Dekl.	August ☾ Glieder in 0.01 s	August ☾ Glieder in 0.01″
	$18^h 18^m$	−87° 39′			$18^h 19^m$	−87° 39′			$18^h 19^m$	−87° 39′			$18^h 18^m$	−87° 39′		
1	47.86	15.25	+1	+7	1.76	21.62	+6	−5	8.26	30.34	−14	−7	65.90	39.21	−10	+7
2	48.40	15.40	+6	+4	2.10	21.87	+2	−8	8.32	30.64	−17	−3	65.67	39.47	−3	+9
3	48.93	15.56	+8	+1	2.43	22.13	−4	−9	8.37	30.94	−18	+1	65.44	39.73	+6	+9
4	49.46	15.72	+8	−3	2.75	22.39	−10	−8	8.42	31.23	−14	+6	65.21	39.98	+13	+6
5	49.99	15.89	+5	−6	3.07	22.65	−15	−6	8.45	31.53	−7	+8	64.96	40.23	+17	+2
6	50.50	16.06	0	−9	3.37	22.92	−18	−1	8.48	31.83	+1	+9	64.70	40.48	+18	−2
7	51.01	16.23	−6	−9	3.67	23.18	−16	+3	8.50	32.13	+10	+8	64.44	40.72	+16	−6
8	51.52	16.40	−12	−7	3.96	23.45	−11	+7	8.50	32.42	+16	+5	64.17	40.96	+10	−8
9	52.02	16.58	−15	−4	4.24	23.72	−3	+9	8.50	32.72	+19	+1	63.89	41.20	+4	−9
10	52.52	16.76	−16	+1	4.51	23.99	+6	+9	8.49	33.01	+19	−4	63.60	41.44	−2	−7
11	53.01	16.95	−13	+5	4.77	24.26	+14	+7	8.47	33.31	+15	−7	63.30	41.67	−7	−5
12	53.49	17.14	−6	+8	5.03	24.54	+19	+3	8.44	33.60	+9	−8	63.00	41.90	−10	−1
13	53.97	17.33	+2	+10	5.28	24.82	+20	−1	8.40	33.90	+2	−8	62.69	42.12	−11	+2
14	54.44	17.53	+11	+8	5.52	25.10	+18	−5	8.35	34.19	−4	−6	62.37	42.34	−10	+5
15	54.91	17.73	+18	+6	5.75	25.38	+13	−8	8.29	34.48	−9	−4	62.04	42.55	−7	+7
16	55.37	17.93	+21	+1	5.97	25.67	+6	−9	8.22	34.77	−11	0	61.71	42.76	−3	+8
17	55.82	18.14	+20	−3	6.18	25.95	0	−8	8.15	35.06	−11	+3	61.37	42.97	+1	+7
18	56.26	18.35	+16	−6	6.38	26.24	−6	−5	8.06	35.35	−9	+6	61.02	43.18	+5	+6
19	56.70	18.56	+10	−8	6.57	26.52	−10	−2	7.97	35.64	−6	+8	60.66	43.38	+9	+3
20	57.13	18.78	+3	−8	6.76	26.81	−11	+1	7.86	35.92	−1	+8	60.30	43.58	+10	0
21	57.56	19.00	−3	−7	6.93	27.10	−11	+4	7.75	36.21	+3	+7	59.93	43.77	+9	−4
22	57.98	19.22	−8	−4	7.10	27.39	−8	+6	7.63	36.49	+7	+5	59.55	43.96	+5	−7
23	58.39	19.45	−11	−1	7.26	27.68	−5	+8	7.49	36.77	+10	+2	59.17	44.14	−1	−9
24	58.79	19.68	−12	+2	7.40	27.98	0	+8	7.35	37.05	+10	−2	58.78	44.32	−7	−8
25	59.19	19.91	−11	+5	7.54	28.27	+4	+6	7.20	37.33	+7	−5	58.38	44.50	−13	−6
26	59.58	20.15	−8	+7	7.67	28.57	+8	+4	7.04	37.60	+3	−8	57.98	44.67	−16	−2
27	59.96	20.39	−4	+8	7.79 / 7.91	28.86 / 29.16	+9 / +8	0 / −3	6.88	37.88	−4	−9	57.58	44.84	−16	+2
28	60.34	20.63	+1	+7	8.01	29.45	+5	−7	6.70	38.15	−10	−8	57.16	45.00	−12	+6
29	60.71	20.87	+5	+5	8.10	29.75	−1	−9	6.51	38.42	−15	−5	56.74	45.16	−5	+9
30	61.07	21.12	+8	+2	8.18	30.04	−7	−9	6.31	38.68	−17	−1	56.32	45.31	+3	+9
31	61.42	21.37	+8	−1	8.26	30.34	−14	−7	6.11	38.95	−15	+4	55.89	45.46	+11	+7
32	61.76	21.62	+6	−5					5.90	39.21	−10	+7	55.45	45.60	+16	+4

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−87° 39′ 10″	24.417	−24.396	−87° 39′ 20″	24.446	−24.425	−87° 39′ 40″	24.504	−24.483
20	24.446	−24.425	30	24.475	−24.454	50	24.533	−24.513

$\alpha_{1937.0} = 18^h\ 18^m\ 5^s.57$ $\delta_{1937.0} = -87°\ 39'\ 33''.17$

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

Sg) χ Octantis $5^m.22$

Tag	September AR.	September Dekl.	September ☾ Glieder		Oktober AR.	Oktober Dekl.	Oktober ☾ Glieder		November AR.	November Dekl.	November ☾ Glieder		Dezember AR.	Dezember Dekl.	Dezember ☾ Glieder	
	$18^h 18^m$	−87° 39′	in $0^s.01$	in $0''.01$	$18^h 18^m$	−87° 39′	in $0^s.01$	in $0''.01$	$18^h 18^m$	−87° 39′	in $0^s.01$	in $0''.01$	$18^h 18^m$	−87° 39′	in $0^s.01$	in $0''.01$
1	55.45	45.60	+16	+4	40.82	47.30	+15	−6	26.28	43.48	−7	−5	18.02	35.35	−10	+4
2	55.01	45.74	+18	0	40.31	47.26	+9	−8	25.89	43.27	−10	−2	17.89	35.03	−8	+6
3	54.57	45.87	+17	−4	39.80	47.22	+2	−8	25.51	43.05	−11	+2	17.77	34.71	−4	+7
4	54.12	45.99	+12	−7	39.29	47.17	−4	−7	25.13	42.83	−10	+4	17.66	34.39	0	+8
5	53.67	46.11	+6	−9	38.78	47.12	−9	−4	24.76	42.61	−7	+7	17.56	34.07	+4	+6
6	53.21	46.23	−1	−8	38.28	47.06	−11	−1	24.39	42.38	−4	+8	17.47	33.74	+7	+4
7	52.75	46.34	−6	−6	37.78	47.00	−11	+3	24.03	42.14	0	+7	17.39	33.41	+8	+1
8	52.28	46.45	−10	−3	37.27	46.93	−10	+5	23.68	41.90	+4	+6	17.32	33.08	+8	−2
9	51.81	46.55	−11	+1	36.77	46.85	−6	+7	23.34	41.66	+7	+3	17.26	32.75	+5	−5
10	51.33	46.65	−11	+4	36.27	46.77	−2	+8	23.00	41.41	+8	0	17.21	32.42	0	−8
11	50.85	46.74	−8	+6	35.77	46.68	+2	+7	22.67	41.16	+7	−3	17.17	32.08	−6	−8
12	50.37	46.82	−5	+8	35.28	46.58	+5	+5	22.36	40.90	+4	−6	17.15	31.75	−12	−8
13	49.89	46.90	−1	+8	34.79	46.48	+8	+2	22.05	40.64	−2	−8	17.13	31.41	−16	−5
14	49.40	46.97	+3	+6	34.30	46.37	+8	−1	21.74	40.37	−8	−8	17.13	31.08	−18	−1
15	48.91	47.03	+7	+4	33.82	46.26	+6	−5	21.45	40.10	−13	−7	17.13	30.74	−17	+3
16	48.42	47.09	+9	+1	33.34	46.14	+2	−7	21.17	39.83	−17	−3	17.15	30.40	−11	+7
17	47.92	47.15	+8	−3	32.86	46.02	−3	−8	20.89	39.55	−17	+1	17.17	30.06	−3	+9
18	47.42	47.20	+6	−6	32.39	45.89	−9	−8	20.62	39.27	−13	+5	17.21	29.72	+5	+9
19	46.92	47.24	+1	−8	31.92	45.75	−14	−5	20.36	38.99	−7	+8	17.26	29.38	+13	+6
20	46.41	47.28	−5	−9	31.46	45.61	−16	−2	20.11	38.70	+2	+9	17.31	29.04	+18	+2
21	45.90	47.31	−10	−7	31.00	45.46	−15	+3	19.87	38.41	+10	+8	17.38	28.70	+19	−2
22	45.39	47.33	−14	−4	30.54	45.30	−10	+6	19.64	38.11	+17	+5	17.46	28.36	+17	−6
23	44.88	47.35	−15	0	30.09	45.14	−2	+9	19.42	37.82	+20	+1	17.55	28.03	+12	−8
24	44.37	47.37	−13	+4	29.65	44.98	+6	+9	19.21	37.52	+19	−3	17.65	27.69	+5	−8
25	43.86	47.38	−7	+7	29.21	44.81	+13	+7	19.01	37.22	+15	−7	17.76	27.35	−1	−7
26	43.35	47.38	0	+9	28.77	44.63	+18	+3	18.82	36.92	+9	−8	*)17.88	27.01	−6	−5
27	42.85	47.38	+8	+8	28.34	44.45	+20	−1	18.64	36.61	+2	−8	18.02	26.68	−9	−1
28	42.34	47.37	+15	+6	27.92	44.27	+17	−5	18.47	36.30	−4	−6	18.16	26.34	−10	+3
29	41.84	47.35	+18	+1	27.50	44.08	+12	−8	18.31	35.99	−8	−3	18.31	26.01	−8	+5
30	41.33	47.33	+18	−3	27.09	43.88	+5	−9	18.16	35.67	−10	0	18.48	25.67	−5	+7
31	40.82	47.30	+15	−6	26.68	43.68	−1	−8	18.02	35.35	−10	+4	18.65	25.34	−1	+8
32					26.28	43.48	−7	−5					18.83	25.01	+3	+7

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−87° 39′ 20″	24.446	−24.425	−87° 39′ 30″	24.475	−24.454	−87° 39′ 40″	24.504	−24.483
30	24.475	−24.454	40	24.504	−24.483	50	24.533	−24.513

$\alpha_{1937.0} = 18^h\ 18^m\ 5^s.57$ $\delta_{1937.0} = -87°\ 39'\ 33''.17$

*) Tag der doppelten unteren Kulmination: Dez. 26.

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

Sh) σ Octantis $5^{m}.48$

Tag	Januar AR.	Januar Dekl.	Januar ☾ Glieder		Februar AR.	Februar Dekl.	Februar ☾ Glieder		März AR.	März Dekl.	März ☾ Glieder		April AR.	April Dekl.	April ☾ Glieder	
	$19^h 56^m$	— $89° 10'$	in $0^s.01$	in $0''.01$	$19^h 56^m$	— $89° 10'$	in $0^s.01$	in $0''.01$	$19^h 57^m$	— $89° 10'$	in $0^s.01$	in $0''.01$	$19^h 57^m$	— $89° 10'$	in $0^s.01$	in $0''.01$
1	$30^s.71$	$36''.68$	+50	−2	$39^s.15$	$25''.55$	−9	−7	7.35	$16''.67$	−19	−6	$53^s.58$	$10''.01$	−38	+4
2	30.57	36.32	+39	−5	39.85	25.20	−24	−5	8.64	16.39	−31	−4	55.23	9.86	−30	+6
3	30.45	35.97	+22	−7	40.58	24.85	−35	−2	9.95	16.12	−39	−1	56.88	9.72	−17	+7
4	30.35	35.61	+4	−7	41.33	24.51	−39	0	11.27	15.85	−40	+2	58.54	9.59	−3	+6
5	30.28	35.25	−14	−6	42.11	24.16	−38	+3	12.61	15.59	−36	+5	60.20	9.46	+11	+4
6	30.25	34.90	−28	−4	42.91	23.82	−31	+6	13.97	15.33	−25	+6	61.87	9.33	+22	+1
7	30.24	34.54	−37	−1	43.74	23.48	−19	+7	15.34	15.07	−11	+7	63.54	9.21	+27	−2
8	30.26	34.18	−40	+2	44.59	23.14	−3	+7	16.73	14.82	+4	+6	65.21	9.09	+24	−6
9	30.31	33.82	−36	+4	45.47	22.81	+12	+5	18.13	14.57	+18	+4	66.89	8.98	+14	−9
10	30.39	33.46	−27	+6	46.36	22.48	+25	+2	19.55	14.33	+28	0	68.57	8.87	−2	−9
11	30.50	33.09	−13	+7	47.28	22.15	+32	−1	20.98	14.09	+30	−4	70.26	8.77	−19	−8
12	30.64	32.73	+3	+7	48.22	21.82	+31	−5	22.42	13.85	+24	−7	71.94	8.67	−33	−5
13	30.80	32.37	+19	+4	49.18	21.50	+21	−8	23.88	13.62	+11	−9	73.63	8.58	−39	−1
14	30.99	32.01	+29	+1	50.16	21.17	+4	−9	25.35	13.39	−7	−9	75.32	8.49	−35	+4
15	31.22	31.64	+32	−3	51.17	20.85	−15	−8	26.83	13.17	−24	−7	77.02	8.41	−22	+8
16	31.47	31.28	+27	−6	52.19	20.54	−31	−6	28.32	12.95	−36	−3	78.71	8.33	−1	+10
17	31.74	30.91	+13	−9	53.24	20.22	−40	−2	29.83	12.73	−38	+1	80.41	8.26	+21	+10
18	32.05	30.55	−5	−10	54.31	19.91	−39	+3	31.34	12.52	−31	+6	82.10	8.19	+40	+8
19	32.38	30.19	−24	−8	55.40	19.60	−28	+7	32.87	12.31	−15	+9	83.79	8.13	+51	+4
20	*)32.74	29.83	−38	−4	56.50	19.30	−9	+10	34.41	12.11	+6	+10	85.49	8.07	+54	0
21	33.13	29.46	−43	0	57.63	18.99	+13	+10	35.96	11.91	+27	+9	87.18	8.02	+47	−4
22	33.55	29.10	−38	+5	58.78	18.69	+33	+8	37.51	11.72	+44	+6	88.88	7.97	+32	−6
23	33.99	28.74	−25	+8	59.95	18.39	+46	+5	39.08	11.53	+51	+2	90.57	7.92	+14	−8
24	34.46	28.38	−2	+10	61.14	18.09	+51	+1	40.66	11.34	+50	−2	92.26	7.88	−5	−7
25	34.96	28.03	+21	+9	62.34	17.80	+46	−3	42.25	11.16	+40	−5	93.95	7.85	−21	−5
26	35.48	27.67	+40	+7	63.57	17.51	+33	−6	43.84	10.98	+24	−7	95.63	7.82	−32	−3
27	36.03	27.32	+49	+3	64.81	17.23	+17	−8	45.45	10.81	+5	−8	97.32	7.80	−38	0
28	36.60	26.96	+50	−1	66.07	16.95	−2	−7	47.06	10.64	−12	−7	99.00	7.78	−38	+3
29	37.20	26.60	+43	−5	67.35	16.67	−19	−6	48.68	10.47	−27	−4	100.68	7.77	−32	+5
30	37.82	26.25	+28	−7					50.31	10.31	−36	−2	102.35	7.76	−22	+6
31	38.47	25.90	+10	−8					51.94	10.16	−40	+1	104.02	7.76	−8	+6
32	39.15	25.55	−9	−7					53.58	10.01	−38	+4				

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−89° 10′ 0″	68.757	−68.750	−89° 10′ 10″	68.987	−68.980	−89° 10′ 30″	69.452	−69.445
10	68.987	−68.980	20	69.219	−69.212	40	69.686	−69.679

$\alpha_{1937.0} = 19^h\ 57^m\ 33^s.75$ $\delta_{1937.0} = -89°\ 10'\ 34''.62$

*) Tag der doppelten unteren Kulmination: Jan. 20.

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

Sh) σ Octantis $5^{m}.48$

Tag	Mai AR.	Mai Dekl.	Mai ☾ Glieder		Juni AR.	Juni Dekl.	Juni ☾ Glieder		Juli AR.	Juli Dekl.	Juli ☾ Glieder		August AR.	August Dekl.	August ☾ Glieder	
	$19^{h}58^{m}$	−89° 10′	in 0.01s	in 0.01″	$19^{h}59^{m}$	−89° 10′	in 0.01s	in 0.01″	$20^{h}0^{m}$	−89° 10′	in 0.01s	in 0.01″	$20^{h}0^{m}$	−89° 10′	in 0.01s	in 0.01″
1	44.02s	7.76″	−8	+6	31.79s	10.05″	+25	−3	4.50s	16.19″	−2	−10	16.53s	25.23″	−39	+4
2	45.68	7.76	+6	+5	33.14	10.20	+20	−7	5.27	16.44	−21	−9	16.47	25.52	−23	+8
3	47.34	7.76	+18	+3	34.48	10.35	+7	−9	6.01	16.70	−37	−7	16.38	25.82	−1	+9
4	48.99	7.77	+24	−1	35.80	10.51	−10	−10	6.73	16.96	−46	−3	16.26	26.11	+21	+9
5	50.64	7.79	+24	−5	37.11	10.67	−28	−9	7.42	17.22	−45	+2	16.12	26.41	+39	+6
6	52.28	7.81	+16	−8	38.40	10.84	−41	−5	8.09	17.48	−33	+6	15.95	26.70	+49	+2
7	53.92	7.84	+3	−10	39.67	11.01	−45	−1	8.74	17.75	−14	+9	15.75	27.00	+49	−2
8	55.55	7.87	−16	−9	40.93	11.18	−39	+4	9.36	18.02	+9	+10	15.53	27.29	+41	−5
9	57.17	7.91	−31	−7	42.17	11.36	−23	+8	9.96	18.29	+31	+8	15.27	27.59	+25	−7
10	58.79	7.95	−41	−3	43.39	11.54	−1	+10	10.53	18.57	+47	+5	14.99	27.88	+7	−7
11	60.40	8.00	−40	+2	44.59	11.73	+22	+9	11.08	18.84	+53	+1	14.68	28.17	−10	−6
12	62.00	8.05	−30	+6	45.78	11.92	+42	+7	11.61	19.12	+49	−3	14.35	28.46	−23	−4
13	63.59	8.10	−12	+9	46.95	12.11	+53	+3	12.11	19.40	+37	−6	13.99	28.75	−31	−1
14	65.17	8.16	+11	+10	48.10	12.31	+55	−1	12.58	19.68	+20	−7	13.60	29.04	−34	+2
15	66.75	8.23	+33	+9	49.23	12.51	+47	−4	13.03	19.96	+1	−7	13.19	29.32	−30	+4
16	68.31	8.30	+49	+6	50.34	12.71	+31	−6	13.45	20.24	−15	−5	12.75	29.60	−22	+6
17	69.87	8.37	+56	+2	51.43	12.92	+13	−7	13.84	20.53	−27	−2	12.28	29.89	−10	+7
18	71.41	8.45	+52	−2	52.50	13.13	−5	−6	14.21	20.82	−33	0	11.79	30.17	+3	+6
19	72.95	8.54	+40	−5	53.55	13.34	−20	−4	14.55	21.10	−33	+3	11.27	30.44	+16	+5
20	74.47	8.63	+23	−7	54.58	13.56	−31	−1	14.86	21.39	−28	+6	10.73	30.72	+25	+2
21	75.98	8.72	+4	−7	55.59	13.78	−35	+1	15.15	21.69	−18	+7	10.16	30.99	+29	−2
22	77.48	8.82	−13	−6	56.58	14.01	−33	+4	15.41 15.64	21.98 22.27	−5 +8	+7 +6	9.56	31.27	+26	−5
23	78.97	8.92	−27	−3	57.55	14.24	−26	+6	15.85	22.57	+21	+4	8.94	31.54	+15	−8
24	80.45	9.03	−34	−1	58.49	14.47	−14	+7	16.03	22.86	+28	0	8.29	31.80	−2	−9
25	81.91	9.14	−37	+2	59.42	14.71	−1	+7	16.19	23.16	+29	−4	7.62	32.07	−19	−8
26	83.36	9.26	−33	+5	60.32	14.95	+13	+5	16.32	23.45	+21	−7	6.92	32.33	−34	−6
27	84.80	9.38	−24	+6	61.20	15.19	+22	+2	16.42	23.75	+7	−9	6.20	32.59	−42	−2
28	86.23	9.50	−11	+7	62.06	15.44	+28	−1	16.49	24.04	−11	−9	5.45	32.84	−40	+2
29	87.64	9.63	+2	+6	62.89	15.68	+25	−5	16.54	24.34	−28	−8	4.68	33.10	−29	+7
30	89.04	9.77	+15	+4	63.71	15.93	+14	−8	16.56	24.63	−41	−4	3.89	33.35	−10	+9
31	90.42	9.91	+23	+1	64.50	16.19	−2	−10	16.56	24.93	−45	0	3.07	33.60	+13	+9
32	91.79	10.05	+25	−3					16.53	25.23	−39	+4	2.23	33.85	+32	+7

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−89° 10′ 0″	68.757	−68.750	−89° 10′ 10″	68.987	−68.980	−89° 10′ 30″	69.452	−69.445
10	68.987	−68.980	20	69.219	−69.212	40	69.686	−69.679

$\alpha_{1937.0} = 19^{h}\ 57^{m}\ 33^{s}.75$ $\delta_{1937.0} = -89°\ 10'\ 34''.62$

Sh) σ Octantis $5^m.48$

Tag	September AR.	September Dekl.	September ☾ Glieder in 0ˢ.01	September ☾ Glieder in 0".01	Oktober AR.	Oktober Dekl.	Oktober ☾ Glieder in 0ˢ.01	Oktober ☾ Glieder in 0".01	November AR.	November Dekl.	November ☾ Glieder in 0ˢ.01	November ☾ Glieder in 0".01	Dezember AR.	Dezember Dekl.	Dezember ☾ Glieder in 0ˢ.01	Dezember ☾ Glieder in 0".01
	$19^h 59^m$	−89° 10′			$19^h 58^m$	−89° 10′			$19^h 58^m$	−89° 10′			$19^h 57^m$	−89° 10′		
	s	"			s	"			s	"			s	"		
1	62.23	33.85	+32	+ 7	87.74	39.23	+48	− 3	42.36	39.53	− 8	− 6	64.48	34.27	−32	+ 1
2	61.36	34.09	+46	+ 4	86.35	39.33	+37	− 6	40.91	39.44	−22	− 4	63.50	34.01	−31	+ 4
3	60.48	34.33	+49	0	84.95	39.42	+20	− 7	39.47	39.34	−31	− 1	62.53	33.75	−25	+ 6
4	59.57	34.56	+44	− 4	83.54	39.51	+ 2	− 7	38.04	39.24	−34	+ 2	61.59	33.48	−15	+ 7
5	58.64	34.79	+30	− 6	82.12	39.59	−15	− 6	36.62	39.13	−31	+ 4	60.67	33.21	− 3	+ 7
6	57.68	35.02	+13	− 7	80.69	39.67	−27	− 3	35.20	39.02	−23	+ 6	59.77	32.94	+ 8	+ 5
7	56.71	35.24	− 5	− 7	79.26	39.74	−33	0	33.80	38.90	−13	+ 7	58.90	32.66	+18	+ 3
8	55.71	35.46	−20	− 5	77.81	39.81	−34	+ 3	32.41	38.77	0	+ 6	58.05	32.38	+24	0
9	54.69	35.67	−30	− 2	76.36	39.87	−30	+ 5	31.03	38.64	+11	+ 4	57.22	32.09	+23	− 4
10	53.65	35.88	−35	+ 1	74.90	39.92	−20	+ 6	29.66	38.50	+20	+ 2	56.42	31.80	+15	− 7
11	52.59	36.09	−33	+ 4	73.44	39.97	− 9	+ 7	28.30	38.35	+23	− 2	55.65	31.51	+ 2	− 9
12	51.51	36.29	−27	+ 6	71.97	40.01	+ 4	+ 6	26.95	38.20	+21	− 5	54.90	31.21	−15	−10
13	50.41	36.49	−16	+ 7	70.50	40.05	+15	+ 4	25.62	38.04	+11	− 8	54.18	30.91	−31	− 8
14	49.29	36.68	− 3	+ 6	69.02	40.08	+23	+ 1	24.30	37.88	− 3	− 9	53.49	30.61	−44	− 5
15	48.15	36.87	+10	+ 5	67.54	40.10	+25	− 3	23.00	37.71	−20	− 9	52.82	30.30	−47	− 1
16	47.00	37.05	+21	+ 3	66.05	40.12	+20	− 6	21.71	37.54	−35	− 7	52.18	29.99	−40	+ 4
17	45.82	37.23	+27	− 1	64.56	40.13	+ 8	− 8	20.44	37.36	−43	− 3	51.56	29.67	−24	+ 7
18	44.63	37.41	+27	− 4	63.07	40.13	− 7	− 9	19.18	37.17	−42	+ 2	50.97	29.35	− 2	+ 9
19	43.42	37.58	+19	− 7	61.58	40.13	−24	− 8	17.94	36.98	−31	+ 6	50.41	29.03	+21	+ 9
20	42.19	37.75	+ 5	− 9	60.09	40.12	−36	− 5	16.71	36.78	−12	+ 9	49.87	28.70	+41	+ 6
21	40.95	37.91	−12	− 9	58.60	40.11	−41	− 1	15.51	36.58	+11	+10	49.36	28.37	+52	+ 3
22	39.69	38.07	−27	− 7	57.11	40.09	−36	+ 4	14.32	36.37	+33	+ 8	48.88	28.04	+53	− 1
23	38.42	38.22	−38	− 3	55.62	40.06	−23	+ 8	13.15	36.15	+48	+ 5	48.42	27.71	+45	− 5
24	37.13	38.36	−40	+ 1	54.13	40.03	− 2	+10	12.00	35.93	+54	+ 1	47.99	27.38	+29	− 7
25	35.83	38.50	−32	+ 5	52.64	39.99	+20	+ 9	10.86	35.71	+51	− 3	47.59	27.04	+10	− 7
26	34.52	38.64	−16	+ 9	51.16	39.94	+39	+ 7	9.75	35.48	+38	− 5	47.22	26.70	− 7	− 5
27	33.19	38.77	+ 6	+10	49.68	39.89	+51	+ 3	8.65	35.25	+20	− 7	46.88	26.36	−21	− 3
28	31.85	38.89	+27	+ 9	48.21	39.83	+52	− 1	7.58	35.01	+ 1	− 6	46.56	26.02	−29	0
29	30.49	39.01	+43	+ 6	46.74	39.76	+45	− 5	6.53	34.77	−15	− 5	46.28	25.68	−30	+ 3
30	29.12	39.12	+50	+ 1	45.27	39.69	+29	− 7	5.49	34.52	−27	− 2	46.02	25.33	−26	+ 5
31	27.74	39.23	+48	− 3	43.81	39.61	+10	− 7	4.48	34.27	−32	+ 1	45.79	24.98	−17	+ 7
32					42.36	39.53	− 8	− 6					45.59	24.63	− 6	+ 7

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−89° 10′ 20″	69.219	−69.212	−89° 10′ 30″	69.452	−69.445	−89° 10′ 40″	69.686	−69.679
30	69.452	−69.445	40	69.686	−69.679	50	69.923	−69.916

$\alpha_{1937.0} = 19^h\ 57^m\ 33^s.75$ $\delta_{1937.0} = -89°\ 10'\ 34''.62$

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

Si) β Octantis $4^m.34$

Tag	Januar AR.	Januar Dekl.	Januar ☾ Glieder		Februar AR.	Februar Dekl.	Februar ☾ Glieder		März AR.	März Dekl.	März ☾ Glieder		April AR.	April Dekl.	April ☾ Glieder	
	$22^h 39^m$	$-81° 42'$	in $0.^s01$	in $0.''01$	$22^h 39^m$	$-81° 42'$	in $0.^s01$	in $0.''01$	$22^h 39^m$	$-81° 42'$	in $0.^s01$	in $0.''01$	$22^h 39^m$	$-81° 42'$	in $0.^s01$	in $0.''01$
1	41.15	56.95	+6	+5	38.70	47.99	+1	−6	38.33	37.68	−1	−7	40.02	26.28	−5	−2
2	41.04	56.74	+5	+1	38.65	47.64	−1	−7	*)38.35	37.31	−3	−7	40.11	25.94	−4	+1
3	40.93	56.51	+4	−3	38.61	47.29	−3	−6	38.37	36.93	−4	−6	40.20	25.60	−3	+3
4	40.82	56.27	+2	−5	38.57	46.94	−4	−5	38.40	36.55	−5	−3	40.29	25.26	−2	+4
5	40.72	56.03	0	−7	38.53	46.59	−5	−2	38.43	36.17	−5	−1	40.38	24.93	0	+5
6	40.62	55.79	−2	−7	38.50	46.23	−4	0	38.46	35.79	−4	+2	40.48	24.60	+2	+4
7	40.52	55.54	−4	−6	38.47	45.88	−3	+3	38.50	35.41	−3	+4	40.58	24.27	+3	+2
8	40.42	55.29	−4	−4	38.44	45.52	−2	+5	38.53	35.03	−1	+5	40.68	23.94	+4	−2
9	40.33	55.03	−5	−1	38.41	45.16	0	+6	38.57	34.66	+1	+5	40.78	23.62	+3	−5
10	40.23	54.76	−4	+1	38.38	44.80	+2	+5	38.61	34.28	+3	+4	40.88	23.30	+2	−8
11	40.14	54.50	−3	+4	38.35	44.44	+4	+3	38.65	33.90	+4	+1	40.98	22.98	0	−9
12	40.05	54.23	−1	+6	38.33	44.07	+4	0	38.70	33.52	+4	−2	41.09	22.66	−2	−8
13	39.96	53.95	+1	+6	38.31	43.70	+4	−4	38.74	33.15	+3	−6	41.20	22.35	−4	−6
14	39.87	53.67	+3	+5	38.29	43.33	+2	−7	38.79	32.77	+1	−8	41.31	22.04	−5	−1
15	39.79	53.38	+4	+2	38.28	42.96	0	−9	38.84	32.40	−1	−9	41.42	21.73	−4	+4
16	39.71	53.09	+4	−2	38.27	42.59	−2	−8	38.89	32.03	−3	−7	41.53	21.43	−2	+8
17	39.63	52.80	+3	−5	38.26	42.22	−4	−6	38.95	31.65	−4	−4	41.65	21.13	0	+11
18	39.55	52.50	+1	−8	38.25	41.85	−5	−2	39.01	31.28	−4	+1	41.76	20.84	+2	+12
19	39.48	52.20	−1	−9	38.25	41.47	−4	+2	39.07	30.92	−3	+5	41.88	20.54	+4	+10
20	39.40	51.89	−3	−8	38.24	41.09	−3	+6	39.13	30.55	−2	+9	42.00	20.25	+5	+7
21	39.33	51.59	−4	−6	38.25	40.72	−1	+9	39.19	30.18	+1	+11	42.12	19.97	+6	+3
22	39.26	51.27	−5	−1	38.25	40.34	+2	+11	39.25	29.82	+3	+11	42.24	19.69	+5	−1
23	39.19	50.96	−4	+4	38.25	39.96	+4	+10	39.32	29.45	+5	+8	42.37	19.41	+3	−4
24	39.13	50.64	−2	+8	38.26	39.58	+5	+7	39.39	29.09	+6	+5	42.50	19.13	+1	−6
25	39.07	50.32	0	+10	38.27	39.20	+6	+3	39.46	28.73	+5	+1	42.62	18.86	−1	−7
26	39.01	49.99	+3	+11	38.28	38.82	+5	0	39.54	28.38	+4	−3	42.75	18.60	−3	−6
27	38.95	49.66	+4	+9	38.29	38.44	+3	−4	39.61	28.02	+2	−5	42.88	18.33	−4	−5
28	38.90	49.33	+5	+6	38.31	38.06	+1	−6	39.69	27.67	0	−7	43.01	18.07	−4	−3
29	38.84	49.00	+5	+2	38.33	37.68	−1	−7	39.77	27.32	−2	−7	43.14	17.82	−4	0
30	38.79	48.66	+4	−2					39.85	26.97	−3	−6	43.28	17.57	−4	+2
31	38.74	48.33	+3	−5					39.94	26.63	−4	−4	43.41	17.33	−2	+4
32	38.70	47.99	+1	−6					40.02	26.28	−5	−2				

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−81° 42′ 10″	6.930	−6.857	−81° 42′ 30″	6.934	−6.862	−81° 42′ 50″	6.939	−6.866
20	6.932	−6.859	40	6.937	−6.864	60	6.941	−6.869

$\alpha_{1937.0} = 22^h\ 39^m\ 44^s.31$ $\delta_{1937.0} = -81°\ 42'\ 46''.40$

*) Tag der doppelten unteren Kulmination: März 2.

Si) β Octantis $4^{m}.34$

Tag	Mai AR.	Mai Dekl.	Mai ☾ Glieder		Juni AR.	Juni Dekl.	Juni ☾ Glieder		Juli AR.	Juli Dekl.	Juli ☾ Glieder		August AR.	August Dekl.	August ☾ Glieder	
	$22^h 39^m$	$-81° 42'$	in $0^s.01$	in $0''.01$	$22^h 39^m$	$-81° 42'$	in $0^s.01$	in $0''.01$	$22^h 39^m$	$-81° 42'$	in $0^s.01$	in $0''.01$	$22^h 39^m$	$-81° 42'$	in $0^s.01$	in $0''.01$
1	$43^s.41$	$17''.33$	−2	+ 4	$48^s.03$	$12''.02$	+3	+ 1	52.68	$11''.66$	+2	− 8	$56^s.47$	$16''.17$	−5	− 6
2	43.54	17.09	0	+ 5	48.19	11.93	+4	− 3	52.82	11.73	0	−10	56.56	16.39	−5	− 2
3	43.68	16.85	+1	+ 4	48.35	11.85	+3	− 6	52.96	11.81	−2	−10	56.65	16.61	−4	+ 3
4	43.82	16.62	+3	+ 2	48.51	11.77	+1	− 9	53.10	11.89	−4	− 8	56.74	16.83	−2	+ 7
5	43.96	16.39	+4	− 1	48.67	11.69	−1	−10	53.25	11.98	−5	− 4	56.82	17.06	0	+10
6	44.10	16.17	+3	− 4	48.83	11.62	−3	− 9	53.39	12.07	−5	+ 1	56.91	17.29	+3	+10
7	44.24	15.95	+2	− 7	48.98	11.56	−5	− 6	53.52	12.17	−3	+ 5	56.99	17.53	+5	+ 8
8	44.38	15.74	0	− 9	49.14	11.50	−5	− 2	53.66	12.27	−1	+ 9	57.07	17.77	+5	+ 5
9	44.52	15.53	−2	−10	49.30	11.45	−4	+ 3	53.80	12.38	+2	+10	57.15	18.01	+5	+ 1
10	44.67	15.32	−3	− 8	49.46	11.40	−2	+ 8	53.93	12.49	+4	+10	57.23	18.25	+4	− 2
11	44.82	15.12	−5	− 4	49.61	11.36	0	+10	54.07	12.61	+5	+ 8	57.30	18.50	+2	− 5
12	44.96	14.92	−4	+ 1	49.77	11.32	+3	+11	54.20	12.73	+6	+ 4	57.37	18.75	0	− 6
13	45.11	14.73	−3	+ 6	49.93	11.29	+5	+10	54.33	12.86	+5	0	57.44	19.01	−2	− 6
14	45.26	14.54	−1	+10	50.08	11.27	+6	+ 7	54.46	12.99	+3	− 3	57.51	19.26	−3	− 5
15	45.41	14.36	+2	+12	50.24	11.25	+6	+ 3	54.59	13.12	+1	− 5	57.57	19.52	−4	− 3
16	45.56	14.18	+4	+11	50.40	11.23	+5	− 1	54.71	13.26	0	− 6	57.63	19.79	−4	0
17	45.71	14.01	+5	+ 9	50.55	11.22	+3	− 4	54.84	13.41	−2	− 5	57.69	20.05	−4	+ 2
18	45.87	13.84	+6	+ 5	50.71	11.22	+1	− 6	54.96	13.56	−4	− 4	57.74	20.32	−2	+ 4
19	46.02	13.68	+5	+ 1	50.87	11.22	−1	− 6	55.08	13.72	−4	− 2	57.79	20.59	−1	+ 5
20	46.17	13.52	+3	− 2	51.02	11.22	−3	− 5	55.20	13.88	−4	0	57.84	20.86	+1	+ 5
21	46.32	13.37	+2	− 5	51.18	11.23	−4	− 3	55.32	14.05	−3	+ 3	57.89	21.14	+2	+ 5
22	46.48	13.22	0	− 6	51.33	11.25	−4	− 1	55.43	14.22	−2	+ 5	57.93	21.42	+3	+ 2
23	46.63	13.08	−2	− 6	51.48	11.28	−4	+ 1	55.54	14.40	0	+ 6	57.97	21.69	+4	− 1
24	46.78	12.94	−3	− 5	51.64	11.31	−3	+ 3	55.65	14.58	+1	+ 5	58.01	21.98	+3	− 4
25	46.94	12.81	−4	− 3	51.79	11.34	−1	+ 5	55.76	14.76	+3	+ 4	58.05	22.26	+2	− 7
26	47.09	12.68	−4	− 1	51.94	11.38	0	+ 5	55.87	14.95	+4	+ 1	58.08	22.54	0	− 9
27	47.25	12.56	−4	+ 2	52.09	11.43	+2	+ 5	55.97	15.14	+4	− 2	58.11	22.83	−2	− 9
28	47.41	12.44	−3	+ 4	52.24	11.48	+3	+ 2	56.08	15.34	+3	− 6	58.14	23.12	−4	− 7
29	47.56	12.33	−1	+ 5	52.38	11.53	+4	− 1	56.18	15.54	+1	− 9	58.16	23.41	−5	− 3
30	47.72	12.22	+1	+ 5	52.53	11.59	+3	− 5	56.28	15.75	−1	−10	58.18	23.70	−4	+ 2
31	47.88	12.12	+2	+ 3	52.68	11.66	+2	− 8	56.37	15.96	−3	− 9	58.20	23.99	−3	+ 6
32	48.03	12.02	+3	+ 1					56.47	16.17	−5	− 6	{58.22 {58.23	24.29 24.58	0 +2	+ 9} +10}

δ	sec δ	tg δ	δ	sec δ	tg δ
−81° 42′ 10″	6.930	−6.857	−81° 42′ 20″	6.932	−6.859
20	6.932	−6.859	30	6.934	−6.862

$\alpha_{1937.0} = 22^h\ 39^m\ 44^s.31$ $\delta_{1937.0} = -81°\ 42'\ 46''.40$

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

81) β Octantis $4^m.34$

Tag	September AR.	September Dekl.	September ☾ Glieder	Oktober AR.	Oktober Dekl.	Oktober ☾ Glieder	November AR.	November Dekl.	November ☾ Glieder	Dezember AR.	Dezember Dekl.	Dezember ☾ Glieder
	$22^h 39^m$	−81° 42′	in $0^s.01$ | $0''.01$	$22^h 39^m$	−81° 42′	in $0^s.01$ | $0''.01$	$22^h 39^m$	−81° 42′	in $0^s.01$ | $0''.01$	$22^h 39^m$	−81° 42′	in $0^s.01$ | $0''.01$
1	$58^s.22$ / 58.23	$24''.29$ / 24.58	0 +9 / +2 +10	$57^s.35$	$33''.34$	+5 +4	$54^s.16$	$40''.04$	0 −6	$49^s.93$	$41''.76$	−4 −3
2	58.24	24.88	+4 +9	57.28	33.61	+5 0	54.03	40.18	−1 −6	49.79	41.72	−4 −1
3	58.25	25.17	+5 +6	57.20	33.87	+3 −3	53.89	40.31	−3 −5	49.65	41.67	−4 +1
4	58.25	25.47	+5 +2	57.13	34.14	+2 −5	53.76	40.45	−4 −3	49.50	41.62	−3 +3
5	58.26	25.77	+4 −1	57.05	34.40	0 −6	53.63	40.57	−4 0	49.36	41.56	−2 +5
6	58.26	26.07	+3 −4	56.97	34.66	−2 −6	53.49	40.69	−4 +2	49.22	41.50	0 +5
7	58.25	26.36	+1 −6	56.89	34.92	−4 −4	53.36	40.81	−3 +4	49.08	41.43	+1 +5
8	58.25	26.66	−1 −6	56.80	35.17	−4 −2	53.22	40.92	−1 +5	48.94	41.36	+3 +3
9	58.24	26.96	−3 −5	56.71	35.42	−4 0	53.08	41.02	0 +5	48.80	41.28	+3 0
10	58.23	27.26	−4 −3	56.62	35.67	−3 +2	52.94	41.12	+2 +4	48.66	41.19	+3 −4
11	58.21	27.56	−4 −1	56.53	35.91	−2 +4	52.80	41.21	+3 +2	48.52	41.09	+2 −7
12	58.20	27.85	−4 +1	56.43	36.15	−1 +5	52.66	41.30	+3 −1	48.38	40.99	0 −9
13	58.18	28.15	−3 +3	56.34	36.38	+1 +5	52.52	41.38	+3 −5	48.25	40.88	−1 −10
14	58.15	28.45	−2 +5	56.24	36.61	+2 +4	52.38	41.45	+2 −8	48.11	40.76	−3 −9
15	58.13	28.75	0 +5	56.14	36.84	+3 +1	52.24	41.52	0 −10	47.98	40.64	−5 −7
16	58.10	29.04	+2 +5	56.04	37.07	+3 −2	52.09	41.58	−2 −10	47.84	40.52	−5 −2
17	58.07	29.34	+3 +3	55.93	37.29	+3 −6	51.95	41.64	−4 −8	47.71	40.39	−4 +3
18	58.04	29.63	+4 0	55.83	37.51	+1 −8	51.81	41.69	−5 −4	47.58	40.25	−2 +7
19	58.00	29.93	+4 −3	55.72	37.72	−1 −9	51.66	41.73	−5 +1	47.45	40.11	0 +10
20	57.96	30.22	+3 −6	55.61	37.93	−3 −9	51.52	41.77	−3 +5	47.32	39.96	+3 +10
21	57.92	30.52	+1 −9	55.50	38.13	−4 −6	51.37	41.80	−1 +9	47.20	39.80	+5 +9
22	57.87	30.81	−1 −9	55.39	38.33	−5 −2	51.23	41.82	+2 +11	47.07	39.64	+6 +6
23	57.82	31.10	−3 −7	55.27	38.53	−4 +3	51.08	41.84	+4 +10	46.95	39.47	+6 +2
24	57.77	31.38	−4 −4	55.15	38.72	−2 +7	50.94	41.85	+5 +8	46.82	39.30	+4 −1
25	57.72	31.67	−4 0	55.03	38.90	0 +10	50.79	41.86	+6 +4	46.70	39.12	+2 −4
26	57.66	31.95	−3 +5	54.91	39.08	+3 +11	50.65	41.86	+5 +1	46.58	38.94	0 −5
27	57.60	32.23	−1 +8	54.79	39.25	+5 +9	50.50	41.85	+3 −3	46.46	38.75	−2 −5
28	57.54	32.51	+1 +10	54.67	39.42	+6 +6	50.36	41.84	+1 −5	46.34	38.55	−3 −4
29	57.48	32.79	+3 +10	54.54	39.58	+5 +2	50.22	41.82	−1 −5	46.22	38.35	−4 −2
30	57.42	33.07	+5 +8	54.41	39.74	+4 −1	50.07	41.79	−2 −5	46.11	38.14	−4 +1
31	57.35	33.34	+5 +4	54.28	39.89	+2 −4	49.93	41.76	−4 −3	46.00	37.93	−3 +3
32				54.16	40.04	0 −6				45.89	37.72	−2 +5

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−81° 42′ 20″	6.932	−6.859	−81° 42′ 30″	6.934	−6.862	−81° 42′ 40″	6.937	−6.864
30	6.934	−6.862	40	6.937	−6.864	50	6.939	−6.866

$\alpha_{1937.0} = 22^h\ 39^m\ 44^s.31$ $\delta_{1937.0} = -81°\ 42'\ 46''.40$

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

Sk) τ Octantis $5^m.56$

Tag	Januar AR.	Januar Dekl.	Januar ☾ Glieder		Februar AR.	Februar Dekl.	Februar ☾ Glieder		März AR.	März Dekl.	März ☾ Glieder		April AR.	April Dekl.	April ☾ Glieder	
		—	in			—	in			—	in			—	in	
	$23^h 18^m$	87° 49′	$0^s.01$	$0''.01$	$23^h 18^m$	87° 49′	$0^s.01$	$0''.01$	$23^h 18^m$	87° 49′	$0^s.01$	$0''.01$	$23^h 18^m$	87° 49′	$0^s.01$	$0''.01$
1	71.71	55.93	+17	+ 6	58.78	47.61	+ 6	− 6	53.69	37.36	+ 2	− 7	56.10	25.41	−15	− 3
2	71.20	55.74	+17	+ 2	58.48	47.28	0	− 7	53.64	36.97	− 4	− 7	56.31	25.05	−15	− 1
3	70.69	55.54	+15	− 1	58.19	46.94	− 7	− 7	53.59	36.58	−10	− 6	56.53	24.68	−13	+ 2
4	70.19	55.33	+10	− 4	57.91	46.60	−12	− 6	53.56	36.19	−14	− 5	56.76	24.32	− 8	+ 4
5	69.69	55.12	+ 3	− 6	57.64	46.26	−15	− 4	53.53	35.80	−16	− 2	56.99	23.96	− 2	+ 5
6	69.20	54.91	− 3	− 7	57.37	45.91	−16	− 1	53.51	35.41	−15	0	57.23	23.60	+ 5	+ 4
7	68.71	54.69	− 9	− 7	57.12	45.56	−15	+ 2	53.50	35.01	−11	+ 3	57.48	23.24	+11	+ 3
8	68.23	54.46	−13	− 5	56.87	45.21	− 9	+ 4	53.50	34.62	− 6	+ 5	57.74	22.89	+14	0
9	67.76	54.23	−15	− 3	56.63	44.85	− 3	+ 6	53.51	34.23	+ 1	+ 5	58.01	22.54	+15	− 4
10	67.29	53.99	−15	0	56.40	44.49	+ 4	+ 6	53.53	33.84	+ 8	+ 5	58.28	22.19	+11	− 7
11	66.83	53.75	−12	+ 3	56.17	44.13	+11	+ 4	53.56	33.45	+13	+ 2	58.56	21.84	+ 5	− 9
12	66.37	53.50	− 7	+ 5	55.96	43.77	+15	+ 1	*)53.59	33.06	+16	− 1	58.85	21.50	− 3	− 9
13	65.92	53.25	0	+ 6	55.75	43.41	+16	− 2	53.64	32.67	+14	− 4	59.14	21.16	−10	− 6
14	65.48	52.99	+ 7	+ 5	55.56	43.04	+13	− 6	53.69	32.28	+ 9	− 7	59.44	20.82	−15	− 2
15	65.04	52.73	+13	+ 3	55.37	42.67	+ 6	− 8	53.75	31.89	+ 2	− 8	59.75	20.49	−16	+ 2
16	64.61	52.46	+16	0	55.19	42.30	− 2	− 9	53.83	31.50	− 6	− 8	60.07	20.16	−13	+ 7
17	64.19	52.19	+15	− 4	55.02	41.93	− 9	− 7	53.91	31.11	−13	− 5	60.40	19.83	− 7	+10
18	63.78	51.91	+10	− 7	54.86	41.56	−15	− 4	53.99	30.72	−16	− 1	60.73	19.50	+ 1	+11
19	63.37	51.63	+ 3	− 9	54.71	41.19	−17	+ 1	54.09	30.34	−16	+ 4	61.06	19.18	+ 9	+11
20	62.97	51.35	− 5	− 9	54.57	40.81	−15	+ 5	54.20	29.95	−11	+ 8	61.41	18.86	+15	+ 8
21	62.58	51.06	−12	− 7	54.43	40.43	− 9	+ 9	54.31	29.57	− 4	+11	61.76	18.54	+18	+ 5
22	62.20	50.77	−17	− 3	54.31	40.05	− 1	+11	54.43	29.18	+ 4	+11	62.12	18.22	+17	+ 1
23	61.82	50.47	−17	+ 2	54.19	39.67	+ 7	+10	54.56	28.80	+11	+10	62.48	17.91	+13	− 3
24	61.45	50.17	−13	+ 6	54.09	39.29	+13	+ 8	54.70	28.42	+16	+ 6	62.85	17.60	+ 7	− 5
25	61.09	49.86	− 6	+10	53.99	38.90	+17	+ 5	54.85	28.04	+17	+ 3	63.23	17.30	+ 1	− 7
26	60.74	49.55	+ 2	+11	53.90	38.52	+17	+ 1	55.00	27.66	+15	− 1	63.61	17.00	− 6	− 7
27	60.39	49.24	+10	+10	53.82	38.13	+14	− 2	55.16	27.28	+11	− 4	64.00	16.70	−11	− 6
28	60.06	48.92	+15	+ 7	53.75	37.75	+ 8	− 5	55.33	26.90	+ 4	− 6	64.39	16.41	−14	− 4
29	59.73	48.60	+17	+ 3	53.69	37.36	+ 2	− 7	55.51	26.53	− 2	− 7	64.79	16.12	−15	− 1
30	59.40	48.27	+16	0					55.70	26.15	− 8	− 7	65.20	15.84	−14	+ 1
31	59.09	47.95	+12	− 4					55.89	25.78	−13	− 5	65.61	15.55	−10	+ 3
32	58.78	47.61	+ 6	− 6					56.10	25.41	−15	− 3				

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−87° 49′ 10″	26.282	−26.263	−87° 49′ 30″	26.349	−26.330	−87° 49′ 50″	26.417	−26.398
20	26.316	−26.297	40	26.383	−26.364	60	26.451	−26.432

$\alpha_{1937.0} = 23^h\ 19^m\ 23^s.39$ $\delta_{1937.0} = -87°\ 49'\ 43''.95$

*) Tag der doppelten unteren Kulmination: März 12.

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

Sk) τ Octantis $5^m.56$

Tag	Mai AR.	Mai Dekl.	Mai ☾ Glieder		Juni AR.	Juni Dekl.	Juni ☾ Glieder		Juli AR.	Juli Dekl.	Juli ☾ Glieder		August AR.	August Dekl.	August ☾ Glieder	
	$23^h 19^m$	— $87° 49'$	in $0^s.01$	$0''.01$	$23^h 19^m$	— $87° 49'$	in $0^s.01$	$0''.01$	$23^h 19^m$	— $87° 49'$	in $0^s.01$	$0''.01$	$23^h 19^m$	— $87° 49'$	in $0^s.01$	$0''.01$
1	$5^s.61$	$15''.55$	−10	+3	$20^s.69$	$9''.04$	+12	+2	$37^s.23$	$7''.50$	+12	−7	$52^s.19$	$11''.10$	−13	−7
2	6.03	15.27	−4	+4	21.23	8.91	+14	−1	37.77	7.54	+6	−9	52.59	11.30	−16	−3
3	6.45	15.00	+2	+4	21.78	8.79	+14	−5	38.31	7.58	−2	−10	52.98	11.50	−16	+2
4	6.88	14.73	+8	+3	22.32	8.67	+10	−8	38.84	7.63	−9	−9	53.36	11.70	−12	+6
5	7.31	14.47	+13	+1	22.87	8.55	+3	−10	39.37	7.68	−15	−5	53.74	11.91	−5	+9
6	7.75	14.21	+15	−3	23.42	8.44	−5	−10	39.90	7.74	−17	−1	54.10	12.12	+4	+10
7	8.20	13.95	+13	−6	23.97	8.34	−12	−7	40.42	7.80	−15	+4	54.46	12.34	+11	+9
8	8.65	13.70	+8	−9	24.52	8.24	−16	−3	40.95	7.87	−9	+8	54.82	12.56	+16	+6
9	9.10	13.45	0	−9	25.07	8.14	−16	+2	41.47	7.95	−1	+10	55.16	12.79	+17	+3
10	9.56	13.20	−8	−8	25.62	8.05	−13	+7	41.98	8.03	+7	+11	55.50	13.02	+15	−1
11	10.03	12.97	−14	−5	26.18	7.97	−6	+10	42.50	8.11	+14	+9	55.83	13.25	+11	−4
12	10.50	12.73	−16	0	26.73	7.89	+2	+11	43.01	8.20	+17	+6	56.15	13.49	+4	−5
13	10.97	12.50	−15	+5	27.29	7.82	+10	+11	43.52	8.30	+17	+2	56.46	13.73	−2	−6
14	11.45	12.27	−10	+9	27.84	7.75	+16	+8	44.02	8.40	+14	−2	56.77	13.97	−8	−5
15	11.94	12.05	−2	+11	28.40	7.69	+18	+4	44.51	8.51	+8	−4	57.06	14.22	−12	−4
16	12.42	11.83	+6	+12	28.96	7.64	+16	+1	45.01	8.62	+2	−6	57.35	14.47	−14	−2
17	12.92	11.62	+13	+10	29.51	7.59	+12	−3	45.50	8.74	−5	−6	57.63	14.72	−14	+1
18	13.41	11.41	+17	+7	30.07	7.54	+6	−5	45.98	8.86	−10	−5	57.90	14.98	−11	+3
19	13.91	11.21	+17	+3	30.63	7.50	−1	−6	46.46	8.99	−13	−3	58.16	15.24	−7	+5
20	14.41	11.01	+15	−1	31.18	7.47	−7	−6	46.93	9.12	−15	−1	58.41	15.50	−1	+5
21	14.92	10.82	+9	−4	31.74	7.45	−12	−4	47.40	9.26	−14	+2	58.66	15.77	+5	+5
22	15.43	10.63	+3	−6	32.29	7.43	−14	−2	47.87	9.40	−10	+4	58.90	16.04	+11	+3
23	15.94	10.45	−4	−6	32.85	7.41	−15	0	48.33	9.55	−5	+5	59.12	16.31	+14	0
24	16.46	10.27	−9	−6	33.40	7.40	−12	+2	48.78	9.70	+2	+6	59.34	16.59	+14	−3
25	16.98	10.10	−13	−4	33.95	7.40	−8	+4	49.23	9.86	+8	+5	59.54	16.87	+11	−6
26	17.50	9.93	−15	−2	34.50	7.40	−2	+5	49.67	10.02	+13	+2	59.74	17.15	+5	−9
27	18.02	9.77	−14	0	35.05	7.41	+4	+5	50.10	10.19	+15	−1	59.92	17.43	−3	−9
28	18.55	9.62	−11	+3	35.60	7.43	+10	+3	50.53	10.36	+13	−5	60.10	17.72	−10	−8
29	19.08	9.47	−7	+4	36.15	7.45	+14	0	50.96	10.54	+9	−8	60.27	18.01	−15	−4
30	19.61	9.32	0	+5	36.69	7.47	+15	−3	51.37	10.72	+2	−10	60.42	18.30	−17	0
31	20.15	9.18	+6	+4	37.23	7.50	+12	−7	51.78	10.91	−6	−9	60.57	18.59	−14	+5
32	20.69	9.04	+12	+2					52.19	11.10	−13	−7	60.71	18.89	−8	+8

δ	sec δ	tg δ	δ	sec δ	tg δ
−87° 49′ 0″	26.249	−26.230	−87° 49′ 10″	26.282	−26.263
10	26.282	−26.263	20	26.316	−26.297

$\alpha_{1937.0} = 23^h\ 19^m\ 23^s.39$ $\delta_{1937.0} = -87°\ 49'\ 43''.95$

Scheinbare Sternörter 1937

Obere Kulmination Greenwich

Sk) τ Octantis $5^m.56$

Tag	September				Oktober				November				Dezember			
	AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder		AR.	Dekl.	☾ Glieder	
		—	in			—	in			—	in			—	in	
	$23^h 19^m$	87° 49′	$0^s.01$	0″.01	$23^h 19^m$	87° 49′	$0^s.01$	0″.01	$23^h 19^m$	87° 49′	$0^s.01$	0″.01	$23^h 19^m$	87° 49′	$0^s.01$	0″.01
1	60.71	18.89	−8	+8	59.80	28.34	+16	+6	49.31	36.10	+5	−5	33.14	39.15	−10	−4
2	60.83	19.18	0	+10	59.60	28.63	+17	+2	48.84	36.29	−1	−6	32.55	39.15	−13	−2
3	60.95	19.48	+8	+10	59.39	28.92	+14	−2	48.36	36.47	−8	−6	31.97	39.15	−14	0
4	61.06	19.78	+14	+8	59.17	29.21	+9	−5	47.88	36.64	−12	−4	31.39	39.14	−13	+2
5	61.15	20.08	+17	+4	58.94	29.50	+2	−6	47.39	36.81	−14	−2	30.81	39.13	−9	+4
6	61.24	20.38	+16	0	58.71	29.79	−4	−6	46.90	36.98	−14	0	30.22	39.11	−4	+5
7	61.32	20.69	+13	−3	58.46	30.08	−9	−5	46.40	37.14	−12	+2	29.64	39.08	+2	+5
8	61.39	20.99	+6	−5	58.20	30.36	−13	−4	45.89	37.29	−8	+4	29.06	39.04	+7	+3
9	61.44	21.29	0	−6	57.93	30.64	−15	−1	45.38	37.44	−2	+5	28.47	39.00	+12	+1
10	61.49	21.60	−6	−6	57.65	30.92	−13	+1	44.86	37.58	+4	+4	27.89	38.95	+13	−2
11	{61.53 {61.55	21.91 22.22	−11 −14	−5} −3}	57.36	31.19	−10	+3	44.34	37.71	+9	+2	27.31	38.90	+12	−6
12	61.56	22.53	−15	0	57.07	31.46	−6	+4	43.81	37.84	+13	0	26.73	38.84	+8	−9
13	61.57	22.84	−13	+2	56.76	31.73	0	+5	43.28	37.97	+13	−4	26.15	38.77	+2	−10
14	61.56	23.15	−9	+4	56.44	32.00	+6	+4	42.74	38.09	+11	−7	25.58	38.69	−6	−10
15	61.54	23.46	−4	+5	56.12	32.26	+11	+2	42.20	38.20	+6	−9	25.00	38.61	−12	−8
16	61.51	23.77	+3	+5	55.79	32.52	+14	−1	41.66	38.31	−1	−10	24.43	38.53	−16	−4
17	61.47	24.07	+9	+4	55.44	32.77	+13	−4	41.11	38.41	−8	−9	23.86	38.43	−16	+1
18	61.42	24.38	+13	+1	55.09	33.02	+10	−7	40.56	38.50	−14	−5	23.29	38.33	−12	+6
19	61.36	24.69	+15	−2	54.73	33.27	+3	−9	40.01	38.59	−16	−1	22.72	38.22	−5	+9
20	61.29	25.00	+13	−5	54.36	33.51	−4	−9	39.45	38.67	−14	+4	22.16	38.11	+4	+11
21	61.21	25.31	+8	−8	53.98	33.75	−11	−7	38.89	38.74	−9	+8	21.60	37.99	+11	+10
22	61.12	25.62	+1	−9	53.59	33.99	−15	−3	38.32	38.81	−1	+11	21.04	37.86	+16	+7
23	61.01	25.92	−7	−8	53.20	34.22	−16	+2	37.76	38.87	+7	+11	20.49	37.73	+18	+4
24	60.90	26.23	−13	−5	52.79	34.45	−12	+6	37.19	38.92	+13	+9	19.94	37.60	+16	0
25	60.77	26.53	−16	−1	52.38	34.67	−6	+9	36.62	38.97	+17	+6	19.40	37.46	+11	−3
26	60.64	26.84	−15	+3	51.97	34.89	+2	+11	36.05	39.02	+17	+2	18.86	37.31	+5	−5
27	60.49	27.14	−10	+7	51.54	35.10	+10	+10	35.47	39.06	+14	−2	18.32	37.15	−2	−5
28	60.34	27.44	−3	+10	51.11	35.31	+15	+8	34.89	39.09	+8	−4	17.78	36.99	−9	−4
29	60.17	27.74	+5	+10	50.67	35.52	+18	+4	34.31	39.12	+1	−5	17.25	36.82	−12	−3
30	59.99	28.04	+12	+9	50.22	35.72	+16	0	33.72	39.14	−5	−5	16.72	36.65	−14	0
31	59.80	28.34	+16	+6	49.77	35.91	+12	−3	33.14	39.15	−10	−4	16.20	36.48	−13	+2
32					49.31	36.10	+5	−5					15.69	36.29	−10	+4

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−87° 49′ 10″	26.282	−26.263	−87° 49′ 20″	26.316	−26.297	−87° 49′ 30″	26.349	−26.330
20	26.316	−26.297	30	26.349	−26.330	40	26.383	−26.364

$\alpha_{1937.0} = 23^h\ 19^m\ 23^s.39$ $\delta_{1937.0} = -87°\ 49'\ 43''.95$

Polnahe Sterne 1937

Koordinaten der scheinbaren Örter für 12^h Sternzeit Greenwich

Tag	BD +89° 1 Gr. 10^m56		BD +89° 3 Gr. 9^m06		BD +89° 37 Gr. 10^m06		CPD −89° 38 Gr. 9^m5		Kurzperiod. Nutationsgl.*)	
1937	x	y	x	y	x	y	x	y	in 0.″01	
Jan. 0	−246.″80	+77.″43	−46.″68	+862.″03	−1028.″78	−346.″24	−99.″84	−312.″03	−11	−3
1	246.81	77.11	46.70	861.70	1028.79	346.57	99.71	312.36	− 9	−6
2	246.82	76.79	46.70	861.38	1028.80	346.89	99.57	312.68	− 6	−8
3	246.81	76.46	46.70	861.06	1028.79	347.22	99.42	313.01	− 2	−9
4	246.80	76.13	46.69	860.73	1028.78	347.54	99.27	313.33	+ 2	−8
5	−246.79	+75.81	−46.68	+860.41	−1028.77	−347.87	−99.11	−313.66	+ 5	−5
6	246.77	75.49	46.65	860.09	1028.75	348.19	98.94	313.99	+ 7	−2
7	246.74	75.16	46.63	859.76	1028.72	348.52	98.77	314.31	+ 7	+2
8	246.70	74.84	46.59	859.44	1028.68	348.84	98.59	314.62	+ 7	+5
9	246.66	74.52	46.55	859.12	1028.64	349.16	98.41	314.93	+ 5	+7
10	−246.61	+74.20	−46.50	+858.80	−1028.59	−349.48	−98.22	−315.24	+ 3	+8
11	246.55	73.88	46.44	858.49	1028.53	349.80	98.03	315.55	0	+8
12	246.49	73.57	46.38	858.17	1028.47	350.11	97.83	315.86	− 3	+6
13	246.42	73.25	46.31	857.86	1028.40	350.43	97.63	316.16	− 5	+3
14	246.34	72.94	46.23	857.55	1028.32	350.74	97.42	316.46	− 6	−1
15	−246.26	+72.63	−46.15	+857.24	−1028.24	−351.05	−97.20	−316.76	− 5	−4
16	246.18	72.32	46.07	856.94	1028.16	351.36	96.98	317.05	− 3	−8
17	246.09	72.01	45.98	856.63	1028.07	351.67	96.75	317.34	+ 1	−9
18	245.99	71.71	45.88	856.33	1027.97	351.97	96.52	317.63	+ 4	−8
19	245.88	71.41	45.77	856.03	1027.86	352.27	96.28	317.92	+ 7	−6
20	−245.77	+71.11	−45.66	+855.73	−1027.75	−352.57	−96.04	−318.20	+ 9	−2
21	245.65	70.81	45.54	855.44	1027.63	352.87	95.79	318.48	+ 8	+3
22	245.53	70.51	45.42	855.15	1027.51	353.16	95.54	318.75	+ 6	+7
23	245.40	70.22	45.29	854.86	1027.38	353.45	95.28	319.02	+ 2	+9
24	245.26	69.93	45.15	854.57	1027.24	353.74	95.02	319.29	− 3	+9
25	−245.12	+69.65	−45.01	+854.29	−1027.10	−354.03	−94.75	−319.56	− 7	+7
26	244.97	69.37	44.86	854.01	1026.95	354.31	94.48	319.82	−10	+3
27	244.82	69.09	44.71	853.73	1026.80	354.59	94.21	320.08	−11	−1
28	244.66	68.82	44.55	853.45	1026.64	354.87	93.93	320.33	− 9	−5
29	244.49	68.55	44.38	853.18	1026.47	355.14	93.65	320.58	− 7	−8
30	−244.32	+68.28	−44.21	+852.91	−1026.30	−355.41	−93.36	−320.83	− 3	−9
31	244.14	68.01	44.04	852.64	1026.13	355.68	93.07	321.07	+ 1	−8
Febr. 1	243.96	67.75	43.86	852.38	1025.95	355.94	92.77	321.31	+ 4	−6
2	243.77	67.50	43.67	852.13	1025.76	356.20	92.47	321.54	+ 6	−3
3	243.58	67.25	43.48	851.87	1025.57	356.45	92.17	321.77	+ 7	0
4	−243.38	+67.00	−43.28	+851.63	−1025.37	−356.70	−91.86	−321.99	+ 7	+3
5	243.18	66.75	43.08	851.38	1025.17	356.94	91.55	322.21	+ 6	+6
6	−242.97	+66.51	−42.87	+851.14	−1024.96	−357.18	−91.23	−322.43	+ 4	+8
Mittl. Ort	−219.″63	+79.″03	−19.″46	+863.″61	−1001.″64	−344.″58	− 86.″64	−307.″48		

*) Die Vorzeichen gelten für die drei nördlichen Sterne, für den südlichen sind sie umzukehren.

Polnahe Sterne 1937

Koordinaten der scheinbaren Örter für 12ʰ Sternzeit Greenwich

Tag	BD +89° 1 Gr. $10^m.56$		BD +89° 3 Gr. $9^m.06$		BD +89° 37 Gr. $10^m.06$		CPD −89° 38 Gr. $9^m.5$		Kurzperiod. Nutationsgl.*)	
1937	x	y	x	y	x	y	x	y	in 0.″01	
Febr. 6	−242.″97	+66.″51	−42.″87	+851.″14	−1024.″96	−357.″18	−91.″23	−322.″43	+ 4	+8
7	242.76	66.28	42.66	850.91	1024.75	357.42	90.91	322.64	+ 1	+8
8	242.54	66.05	42.44	850.68	1024.53	357.65	90.59	322.85	− 2	+7
9	242.32	65.82	42.22	850.45	1024.31	357.88	90.26	323.06	− 4	+4
10	242.09	65.60	41.99	850.23	1024.08	358.10	89.94	323.26	− 6	+1
11	−241.86	+65.38	−41.76	+850.01	−1023.85	−358.32	−89.60	−323.45	− 6	−3
12	241.63	65.17	41.53	849.80	1023.62	358.53	89.27	323.64	− 4	−6
13	241.39	64.96	41.29	849.59	1023.38	358.74	88.93	323.83	− 1	−9
14	241.15	64.76	41.05	849.39	1023.14	358.94	88.59	324.01	+ 3	−9
15	240.90	64.57	40.80	849.20	1022.89	359.14	88.24	324.18	+ 6	−7
16	−240.65	+64.38	−40.55	+849.01	−1022.64	−359.33	−87.89	−324.35	+ 8	−3
17	240.39	64.19	40.29	848.82	1022.38	359.52	87.54	324.52	+ 8	+1
18	240.13	64.01	40.03	848.64	1022.12	359.70	87.19	324.68	+ 7	+5
19	239.86	63.83	39.77	848.46	1021.86	359.88	86.83	324.84	+ 3	+8
20	239.59	63.66	39.50	848.29	1021.59	360.05	86.48	325.00	− 2	+9
21	−239.32	+63.50	−39.23	+848.13	−1021.32	−360.22	−86.12	−325.15	− 6	+8
22	239.05	63.34	38.96	847.97	1021.05	360.38	85.75	325.29	− 9	+5
23	238.77	63.18	38.69	847.81	1020.77	360.53	85.39	325.43	−11	+1
24	238.49	63.04	38.41	847.66	1020.49	360.68	85.02	325.56	−10	−3
25	238.21	62.89	38.13	847.52	1020.21	360.82	84.65	325.69	− 8	−7
26	−237.93	+62.76	−37.84	+847.39	−1019.92	−360.96	−84.28	−325.81	− 4	−9
27	237.64	62.63	37.55	847.26	1019.63	361.09	83.90	325.93	− 1	−9
28	237.35	62.51	37.26	847.13	1019.34	361.21	83.52	326.05	+ 3	−7
März 1	237.05	62.39	36.96	847.01	1019.04	361.33	83.15	326.16	+ 6	−4
2	236.76	62.27	36.67	846.90	1018.75	361.45	82.77	326.26	+ 7	−1
3	−236.46	+62.17	−36.37	+846.79	−1018.45	−361.55	−82.39	−326.36	+ 7	+2
4	236.16	62.07	36.07	846.69	1018.15	361.65	82.01	326.46	+ 7	+5
5	235.86	61.97	35.77	846.59	1017.85	361.75	81.63	326.55	+ 5	+7
6	235.55	61.88	35.46	846.50	1017.54	361.84	81.24	326.63	+ 2	+8
7	235.25	61.80	35.16	846.42	1017.24	361.92	80.86	326.71	0	+7
8	−234.94	+61.72	−34.85	+846.35	−1016.93	−362.00	−80.48	−326.79	− 3	+5
9	234.63	61.65	34.54	846.28	1016.62	362.07	80.09	326.86	− 5	+2
10	234.32	61.59	34.23	846.21	1016.31	362.14	79.71	326.93	− 5	−1
11	234.01	61.53	33.92	846.15	1016.00	362.20	79.32	326.99	− 4	−5
12	233.70	61.48	33.61	846.10	1015.69	362.25	78.93	327.04	− 2	−8
13	−233.38	+61.44	−33.29	+846.06	−1015.37	−362.29	−78.55	−327.09	+ 1	−9
14	233.07	61.40	32.98	846.02	1015.06	362.33	78.16	327.14	+ 5	−8
15	−232.76	+61.36	−32.66	+845.98	−1014.74	−362.37	−77.77	−327.18	+ 7	−5
Mittl. Ort	−219.″63	+79.″03	−19.″46	+863.″61	−1001.″64	−344.″58	−86.″64	−307.″48		

*) Die Vorzeichen gelten für die drei nördlichen Sterne, für den südlichen sind sie umzukehren.

Polnahe Sterne 1937

Koordinaten der scheinbaren Örter für 12^h Sternzeit Greenwich

Tag	BD +89° 1 Gr. $10^m.56$		BD +89° 3 Gr. $9^m.06$		BD +89° 37 Gr. $10^m.06$		CPD −89° 38 Gr. $9^m.5$		Kurzperiod. Nutationsgl.*)	
1937	x	y	x	y	x	y	x	y	in 0.″01	
März 15	−232.76	+61.36	−32.66	+845.98	−1014.74	−362.37	−77.77	−327.18	+ 7	−5
16	232.44	61.33	32.35	845.96	1014.43	362.39	77.38	327.21	+ 8	−1
17	232.12	61.31	32.03	845.94	1014.11	362.41	76.99	327.24	+ 7	+4
18	231.80	61.30	31.71	845.93	1013.79	362.42	76.59	327.27	+ 4	+7
19	231.48	61.29	31.39	845.92	1013.47	362.43	76.20	327.29	0	+9
20	−231.17	+61.29	−31.07	+845.92	−1013.16	−362.43	−75.81	−327.31	− 5	+9
21	230.85	61.29	30.76	845.92	1012.84	362.43	75.41	327.32	− 8	+7
22	230.54	61.31	30.44	845.93	1012.53	362.42	75.02	327.33	−11	+2
23	230.22	61.32	30.13	845.95	1012.21	362.41	74.63	327.33	−11	−2
23	229.90	61.35	29.81	845.97	1011.89	362.38	74.24	327.32	− 9	−6
24	−229.59	+61.38	−29.50	+846.00	−1011.58	−362.35	−73.85	−327.32	− 6	−8
25	229.27	61.41	29.18	846.04	1011.26	362.32	73.47	327.30	− 2	−9
26	228.95	61.45	28.87	846.08	1010.94	362.28	73.08	327.28	+ 2	−8
27	228.64	61.50	28.55	846.13	1010.63	362.23	72.69	327.26	+ 5	−5
28	228.32	61.55	28.24	846.19	1010.31	362.17	72.31	327.23	+ 7	−2
29	−228.01	+61.61	−27.93	+846.25	−1010.00	−362.11	−71.92	−327.20	+ 7	+1
30	227.70	61.68	27.62	846.32	1009.68	362.04	71.53	327.16	+ 7	+4
31	227.39	61.75	27.31	846.39	1009.38	361.97	71.15	327.12	+ 6	+7
April 1	227.08	61.83	27.00	846.47	1009.07	361.89	70.77	327.07	+ 3	+8
2	226.78	61.91	26.70	846.55	1008.76	361.81	70.39	327.02	+ 1	+8
3	−226.47	+62.00	−26.39	+846.64	−1008.46	−361.72	−70.01	−326.96	− 2	+6
4	226.17	62.10	26.09	846.74	1008.16	361.62	69.63	326.90	− 4	+4
5	225.87	62.20	25.79	846.84	1007.85	361.52	69.25	326.83	− 5	0
6	225.58	62.31	25.50	846.95	1007.56	361.41	68.88	326.76	− 4	−4
7	225.28	62.42	25.20	847.06	1007.26	361.30	68.51	326.68	− 2	−7
8	−224.99	+62.54	−24.91	+847.18	−1006.97	−361.18	−68.13	−326.60	+ 1	−9
9	224.70	62.67	24.62	847.31	1006.68	361.06	67.76	326.51	+ 4	−8
10	224.41	62.80	24.33	847.44	1006.39	360.93	67.39	326.42	+ 7	−6
11	224.12	62.94	24.05	847.57	1006.10	360.79	67.03	326.32	+ 8	−3
12	223.84	63.08	23.77	847.72	1005.82	360.65	66.66	326.22	+ 8	+2
13	−223.56	+63.23	−23.49	+847.86	−1005.54	−360.51	−66.30	−326.12	+ 6	+6
14	223.28	63.38	23.21	848.01	1005.26	360.35	65.94	326.01	+ 2	+9
15	223.01	63.54	22.94	848.17	1004.99	360.20	65.58	325.90	− 3	+9
16	222.74	63.70	22.67	848.33	1004.72	360.03	65.23	325.78	− 7	+8
17	222.47	63.87	22.40	848.50	1004.45	359.86	64.88	325.66	−10	+4
18	−222.21	+64.05	−22.14	+848.68	−1004.19	−359.69	−64.53	−325.53	−11	0
19	221.95	64.23	21.88	848.86	1003.93	359.51	64.18	325.40	−11	−4
20	−221.69	+64.41	−21.62	+849.04	−1003.67	−359.33	−63.83	−325.27	− 8	−8
Mittl. Ort	−219.63	+79.03	−19.46	+863.61	−1001.64	−344.58	−86.64	−307.48		

*) Die Vorzeichen gelten für die drei nördlichen Sterne, für den südlichen sind sie umzukehren.

Polnahe Sterne 1937

Koordinaten der scheinbaren Örter für 12^{h} Sternzeit Greenwich

Tag	BD +89° 1 Gr. $10^{\mathrm{m}}.56$		BD +89° 3 Gr. $9^{\mathrm{m}}.06$		BD +89° 37 Gr. $10^{\mathrm{m}}.06$		CPD −89° 38 Gr. $9^{\mathrm{m}}.5$		Kurzperiod. Nutationsgl.*)	
1937	x	y	x	y	x	y	x	y	in 0.″01	
April 20	−221.″69	+64.″41	−21.″62	+849.″04	−1003.″67	−359.″33	−63.″83	−325.″27	− 8	−8
21	221.44	64.60	21.37	849.23	1003.42	359.14	63.49	325.13	− 4	−9
22	221.19	64.79	21.12	849.42	1003.17	358.95	63.15	324.99	0	−8
23	220.95	64.99	20.88	849.62	1002.92	358.75	62.81	324.84	+ 3	−6
24	220.70	65.19	20.63	849.82	1002.68	358.55	62.48	324.69	+ 6	−4
25	−220.46	+65.40	−20.40	+850.03	−1002.44	−358.34	−62.15	−324.53	+ 7	0
26	220.23	65.61	20.16	850.24	1002.20	358.13	61.82	324.37	+ 7	+3
27	220.00	65.82	19.93	850.45	1001.97	357.91	61.49	324.21	+ 6	+6
28	219.78	66.04	19.71	850.67	1001.74	357.69	61.17	324.04	+ 4	+8
29	219.56	66.27	19.49	850.90	1001.52	357.47	60.85	323.87	+ 2	+8
30	−219.34	+66.50	−19.27	+851.13	−1001.30	−357.24	−60.53	−323.69	− 1	+7
Mai 1	219.13	66.73	19.06	851.36	1001.08	357.01	60.22	323.51	− 3	+5
2	218.92	66.97	18.85	851.60	1000.88	356.77	59.91	323.33	− 4	+2
3	218.72	67.21	18.65	851.84	1000.67	356.53	59.60	323.14	− 4	−2
4	218.52	67.45	18.45	852.08	1000.47	356.29	59.30	322.95	− 3	−6
5	−218.33	+67.70	−18.26	+852.33	−1000.28	−356.04	−59.00	−322.76	0	−8
6	218.14	67.95	18.07	852.58	1000.09	355.79	58.70	322.56	+ 3	−9
7	217.95	68.20	17.88	852.83	999.91	355.53	58.41	322.36	+ 7	−8
8	217.77	68.46	17.70	853.09	999.73	355.27	58.12	322.15	+ 9	−4
9	217.60	68.72	17.53	853.35	999.56	355.01	57.84	321.95	+ 9	0
10	−217.43	+68.99	−17.36	+853.62	− 999.39	−354.74	−57.55	−321.73	+ 7	+4
11	217.26	69.26	17.19	853.89	999.22	354.47	57.28	321.52	+ 4	+8
12	217.11	69.53	17.04	854.16	999.06	354.20	57.01	321.30	− 1	+9
13	216.95	69.81	16.88	854.44	998.91	353.92	56.74	321.08	− 6	+8
14	216.80	70.08	16.73	854.71	998.76	353.65	56.47	320.85	− 9	+6
15	−216.66	+70.36	−16.59	+854.99	− 998.61	−353.37	−56.22	−320.62	−11	+2
16	216.52	70.64	16.45	855.27	998.47	353.09	55.96	320.39	−11	−3
17	216.39	70.93	16.32	855.56	998.34	352.80	55.71	320.15	− 9	−6
18	216.26	71.22	16.19	855.85	998.21	352.51	55.46	319.91	− 6	−8
19	216.14	71.51	16.07	856.14	998.09	352.22	55.22	319.67	− 2	−9
20	−216.02	+71.81	−15.95	+856.43	− 997.97	−351.93	−54.98	−319.43	+ 2	−7
21	215.91	72.10	15.84	856.73	997.86	351.63	54.74	319.18	+ 4	−5
22	215.80	72.40	15.74	857.03	997.75	351.33	54.52	318.93	+ 6	−1
23	215.70	72.70	15.64	857.33	997.65	351.03	54.29	318.68	+ 7	+2
24	215.61	73.00	15.54	857.63	997.56	350.73	54.07	318.42	+ 6	+5
25	−215.52	+73.31	−15.46	+857.93	− 997.47	−350.43	−53.86	−318.16	+ 4	+7
26	215.44	73.61	15.38	858.23	997.39	350.13	53.65	317.90	+ 2	+8
27	−215.36	+73.92	−15.30	+858.54	− 997.31	−349.82	−53.45	−317.64	0	+7
Mittl. Ort	−219.″63	+79.″03	−19.″46	+863.″61	−1001.″64	−344.″58	−86.″64	−307.″48		

*) Die Vorzeichen gelten für die drei nördlichen Sterne, für den südlichen sind sie umzukehren.

Polnahe Sterne 1937

Koordinaten der scheinbaren Örter für 12^h Sternzeit Greenwich

Tag	BD +89° 1 Gr. $10^m.56$		BD +89° 3 Gr. $9^m.06$		BD +89° 37 Gr. $10^m.06$		CPD −89° 38 Gr. $9^m.5$		Kurzperiod. Nutationsgl.*)	
1937	x	y	x	y	x	y	x	y	in 0".01	
Mai 27	−215".36	+73".92	−15".30	+858".54	−997".31	−349".82	−53".45	−317".64	0	+7
28	215.29	74.23	15.23	858.85	997.24	349.51	53.25	317.38	− 3	+6
29	215.22	74.54	15.16	859.16	997.18	349.20	53.06	317.11	− 4	+3
30	215.16	74.85	15.10	859.47	997.12	348.89	52.87	316.84	− 5	−1
31	215.11	75.17	15.05	859.79	997.06	348.58	52.68	316.57	− 4	−4
Juni 1	−215.06	+75.48	−15.00	+860.10	−997.01	−348.26	−52.50	−316.30	− 1	−7
2	215.01	75.80	14.95	860.42	996.97	347.95	52.33	316.02	+ 2	−9
3	214.98	76.11	14.92	860.73	996.93	347.63	52.16	315.74	+ 6	−8
4	214.94	76.43	14.88	861.05	996.89	347.32	51.99	315.46	+ 8	−6
5	214.92	76.75	14.86	861.37	996.86	347.00	51.83	315.18	+10	−2
6	−214.90	+77.07	−14.84	+861.69	−996.84	−346.68	−51.68	−314.89	+ 9	+3
7	214.88	77.39	14.83	862.01	996.82	346.36	51.53	314.61	+ 6	+7
8	214.87	77.71	14.82	862.33	996.81	346.04	51.38	314.32	+ 2	+9
9	214.87	78.03	14.81	862.65	996.81	345.72	51.24	314.03	− 3	+9
10	214.87	78.35	14.82	862.97	996.81	345.40	51.11	313.74	− 7	+7
11	−214.88	+78.67	−14.83	+863.30	−996.82	−345.07	−50.98	−313.45	−10	+3
12	214.90	78.99	14.84	863.62	996.83	344.75	50.86	313.15	−11	−1
13	214.92	79.31	14.86	863.94	996.85	344.43	50.74	312.86	−10	−5
14	214.94	79.64	14.89	864.26	996.87	344.11	50.63	312.56	− 8	−8
15	214.97	79.96	14.92	864.59	996.90	343.78	50.53	312.26	− 4	−9
16	−215.01	+80.28	−14.96	+864.91	−996.94	−343.46	−50.43	−311.96	0	−8
17	215.05	80.60	15.00	865.23	996.98	343.14	50.33	311.66	+ 3	−6
18	215.10	80.93	15.05	865.55	997.03	342.83	50.24	311.36	+ 5	−3
19	215.15	81.25	15.11	865.87	997.08	342.51	50.16	311.06	+ 6	+1
20	215.21	81.57	15.17	866.19	997.14	342.19	50.08	310.76	+ 6	+4
21	−215.28	+81.89	−15.23	+866.51	−997.20	−341.87	−50.01	−310.46	+ 5	+6
22	215.35	82.21	15.30	866.83	997.27	341.55	49.94	310.16	+ 3	+8
23	215.42	82.53	15.38	867.15	997.35	341.23	49.88	309.85	0	+8
24	215.51	82.85	15.46	867.46	997.43	340.91	49.82	309.54	− 2	+7
25	215.60	83.16	15.55	867.78	997.52	340.58	49.77	309.24	− 4	+4
26	−215.69	+83.48	−15.65	+868.10	−997.61	−340.26	−49.73	−308.93	− 5	+1
27	215.79	83.80	15.75	868.41	997.71	339.94	49.69	308.63	− 5	−3
28	215.90	84.12	15.86	868.73	997.81	339.63	49.66	308.32	− 3	−6
29	216.01	84.43	15.97	869.04	997.92	339.31	49.63	308.02	0	−8
30	216.12	84.74	16.08	869.35	998.03	339.00	49.61	307.72	+ 4	−9
Juli 1	−216.24	+85.05	−16.21	+869.66	−998.15	−338.69	−49.59	−307.41	+ 7	−7
2	216.37	85.36	16.33	869.97	998.28	338.38	49.58	307.11	+10	−3
3	−216.50	+85.67	−16.46	+870.27	−998.41	−338.08	−49.58	−306.81	+10	+1
Mittl. Ort	−219".63	+79".03	−19".46	+863".61	−1001".64	−344".58	−86".64	−307".48		

*) Die Vorzeichen gelten für die drei nördlichen Sterne, für den südlichen sind sie umzukehren.

Polnahe Sterne 1937

Koordinaten der scheinbaren Örter für 12^h Sternzeit Greenwich

Tag	BD +89° 1 Gr. 10^{m}56		BD +89° 3 Gr. 9^{m}06		BD +89° 37 Gr. 10^{m}06		CPD −89° 38 • Gr. 9^{m}5		Kurzperiod. Nutationsgl.*)	
1937	x	y	x	y	x	y	x	y	in 0.01″	
Juli 3	−216.50″	+85.67″	−16.46″	+870.27″	− 998.41″	−338.08″	−49.58″	−306.81″	+10	+1
4	216.63	85.98	16.60	870.58	998.55	337.77	49.58	306.50	+ 8	+5
5	216.77	86.28	16.74	870.89	998.69	337.47	49.59	306.20	+ 5	+8
6	216.92	86.58	16.89	871.19	998.84	337.17	49.60	305.89	0	+9
7	217.07	86.88	17.04	871.49	998.99	336.87	49.62	305.59	− 5	+8
8	−217.23	+87.18	−17.20	+871.79	− 999.15	−336.57	−49.64	−305.29	− 9	+5
9	217.39	87.47	17.36	872.08	999.31	336.27	49.67	304.99	−11	+1
10	217.56	87.77	17.53	872.38	999.48	335.98	49.71	304.69	−10	−3
11	217.74	88.06	17.71	872.67	999.65	335.69	49.75	304.39	− 8	−7
12	217.91	88.35	17.88	872.96	999.83	335.40	49.80	304.09	− 5	−9
13	−218.10	+88.64	−18.07	+873.25	−1000.01	−335.11	−49.85	−303.80	− 2	−9
14	218.29	88.92	18.26	873.53	1000.20	334.82	49.91	303.51	+ 2	−7
15	218.48	89.21	18.45	873.82	1000.39	334.53	49.98	303.21	+ 5	−4
16	218.68	89.49	18.65	874.10	1000.59	334.25	50.05	302.92	+ 6	−1
17	218.88	89.77	18.85	874.38	1000.79	333.97	50.12	302.63	+ 6	+3
18	−219.08	+90.05	−19.06	+874.66	−1001.00	−333.69	−50.20	−302.34	+ 5	+6
19	219.29	90.32	19.28	874.93	1001.21	333.42	50.29	302.05	+ 3	+7
20	219.51	90.59	19.49	875.20	1001.43	333.15	50.38	301.76	+ 1	+8
21	219.73	90.86	19.72	875.47	1001.65	332.88	50.48	301.48	− 2	+7
22	219.96	91.12	19.94	875.73	1001.87	332.62	50.58	301.20	− 4	+5
23	−220.19	+91.39	−20.17	+876.00	−1002.10	−332.35	−50.69	−300.92	− 5	+2
24	220.42	91.65	20.41	876.26	1002.33	332.09	50.80	300.65	− 5	−1
25	220.66	91.91	20.65	876.52	1002.57	331.83	50.92	300.38	− 4	−5
26	220.91	92.16	20.89	876.77	1002.81	331.58	51.05	300.11	− 2	−8
27	221.16	92.41	21.14	877.02	1003.06	331.33	51.18	299.84	+ 2	−9
28	−221.41	+92.66	−21.39	+877.27	−1003.31	−331.08	−51.32	−299.57	+ 5	−8
29	221.66	92.91	21.64	877.51	1003.56	330.84	51.46	299.31	+ 8	−5
30	221.92	93.16	21.90	877.76	1003.82	330.59	51.60	299.05	+10	−1
31	222.18	93.40	22.16	877.99	1004.08	330.36	51.75	298.79	+ 9	+3
Aug. 1	222.45	93.64	22.43	878.23	1004.35	330.12	51.91	298.54	+ 6	+7
2	−222.73	+93.87	−22.71	+878.46	−1004.62	−329.89	−52.07	−298.29	+ 2	+9
3	223.00	94.09	22.98	878.69	1004.90	329.66	52.23	298.04	− 3	+9
4	223.28	94.31	23.26	878.91	1005.18	329.44	52.40	297.80	− 7	+7
5	223.57	94.53	23.55	879.13	1005.46	329.22	52.58	297.56	− 9	+3
6	223.86	94.75	23.84	879.35	1005.75	329.00	52.76	297.32	−10	−2
7	−224.15	+94.96	−24.13	+879.56	−1006.04	−328.78	−52.94	−297.08	− 9	−6
8	224.44	95.17	24.42	879.77	1006.33	328.57	53.13	296.85	− 6	−8
9	−224.74	+95.38	−24.72	+879.98	−1006.63	−328.36	−53.32	−296.62	− 2	−9
Mittl. Ort	−219.63″	+79.03″	−19.46″	+863.61″	−1001.64″	−344.58″	−86.64″	−307.48″		

*) Die Vorzeichen gelten für die drei nördlichen Sterne, für den südlichen sind sie umzukehren.

Polnahe Sterne 1937

Koordinaten der scheinbaren Örter für 12h Sternzeit Greenwich

Tag	BD +89° 1 Gr. 10m56		BD +89° 3 Gr. 9m06		BD +89° 37 Gr. 10m06		CPD −89° 38 Gr. 9m5		Kurzperiod. Nutationsgl.*)	
1937	x	y	x	y	x	y	x	y	in 0.01"	
Aug. 9	−224.74"	+ 95.38"	−24.72"	+879.98"	−1006.63"	−328.36"	−53.32"	−296.62"	− 2	−9
10	225.04	95.58	25.02	880.18	1006.93	328.16	53.52	296.40	+ 1	−8
11	225.35	95.78	25.33	880.38	1007.23	327.96	53.72	296.18	+ 4	−5
12	225.65	95.97	25.63	880.57	1007.54	327.77	53.93	295.97	+ 6	−2
13	225.97	96.17	25.95	880.77	1007.85	327.58	54.15	295.76	+ 6	+2
14	−226.28	+ 96.36	−26.26	+880.95	−1008.16	−327.39	−54.37	−295.55	+ 6	+5
15	226.60	96.54	26.58	881.14	1008.48	327.21	54.59	295.35	+ 4	+7
16	226.92	96.72	26.90	881.32	1008.80	327.03	54.81	295.15	+ 2	+8
17	227.24	96.90	27.23	881.50	1009.12	326.85	55.04	294.95	− 1	+7
18	227.57	97.07	27.55	881.67	1009.45	326.68	55.27	294.76	− 3	+6
19	−227.90	+ 97.24	−27.88	+881.84	−1009.78	−326.51	−55.51	−294.57	− 5	+3
20	228.23	97.41	28.22	882.00	1010.11	326.35	55.75	294.39	− 5	0
21	228.57	97.57	28.55	882.16	1010.45	326.19	55.99	294.21	− 5	−4
22	228.90	97.73	28.89	882.32	1010.78	326.03	56.24	294.04	− 3	−7
23	229.24	97.88	29.23	882.47	1011.12	325.88	56.49	293.87	0	−8
24	−229.58	+ 98.03	−29.57	+882.62	−1011.46	−325.73	−56.75	−293.71	+ 4	−8
25	229.93	98.17	29.92	882.76	1011.81	325.59	57.01	293.55	+ 7	−6
26	230.28	98.31	30.27	882.90	1012.16	325.45	57.27	293.39	+ 9	−3
27	230.63	98.44	30.62	883.03	1012.51	325.32	57.54	293.24	+ 9	+2
28	230.98	98.57	30.97	883.16	1012.86	325.19	57.81	293.10	+ 7	+6
29	−231.34	+ 98.70	−31.33	+883.29	−1013.22	−325.06	−58.08	−292.96	+ 3	+8
30	231.69	98.82	31.69	883.41	1013.57	324.94	58.35	292.83	− 1	+9
31	232.05	98.94	32.05	883.53	1013.93	324.82	58.63	292.70	− 5	+7
Sept. 1	232.41	99.05	32.41	883.64	1014.29	324.71	58.91	292.58	− 9	+4
2	232.77	99.16	32.77	883.75	1014.65	324.60	59.19	292.46	−10	0
3	−233.13	+ 99.26	−33.13	+883.85	−1015.01	−324.50	−59.47	−292.35	− 9	−4
4	233.50	99.36	33.50	883.95	1015.38	324.40	59.76	292.25	− 7	−7
5	233.87	99.45	33.87	884.05	1015.75	324.30	60.05	292.15	− 4	−9
6	234.24	99.54	34.24	884.14	1016.12	324.21	60.34	292.05	0	−8
7	234.61	99.62	34.61	884.23	1016.49	324.12	60.64	291.96	+ 3	−6
8	−234.98	+ 99.70	−34.98	+884.31	−1016.86	−324.04	−60.93	−291.88	+ 5	−3
9	235.36	99.78	35.36	884.38	1017.23	323.97	61.23	291.80	+ 6	0
10	235.73	99.85	35.73	884.46	1017.60	323.89	61.53	291.73	+ 6	+4
11	236.11	99.92	36.11	884.52	1017.98	323.83	61.83	291.66	+ 5	+6
12	236.48	99.98	36.48	884.58	1018.36	323.77	62.14	291.60	+ 3	+8
13	−236.86	+100.04	−36.86	+884.64	−1018.73	−323.71	−62.44	−291.55	0	+8
14	237.24	100.09	37.24	884.69	1019.11	323.66	62.75	291.50	− 2	+7
15	−237.62	+100.14	−37.62	+884.74	−1019.49	−323.61	−63.06	−291.46	− 4	+4
Mittl. Ort	−219.63"	+79.03"	−19.46"	+863.61"	−1001.64"	−344.58"	−86.64"	−307.48"		

*) Die Vorzeichen gelten für die drei nördlichen Sterne, für den südlichen sind sie umzukehren.

Polnahe Sterne 1937

Koordinaten der scheinbaren Örter für 12ʰ Sternzeit Greenwich

Tag	BD +89° 1 Gr. 10ᵐ.56		BD +89° 3 Gr. 9ᵐ.06		BD +89° 37 Gr. 10ᵐ.06		CPD −89° 38 Gr. 9ᵐ.5		Kurzperiod. Nutationsgl.*)	
1937	x	y	x	y	x	y	x	y	in 0".01	
Sept. 15	−237".62	+100".14	−37".62	+884".74	−1019".49	−323".61	−63".06	−291".46	− 4	+4
16	238.00	100.18	38.00	884.78	1019.87	323.57	63.36	291.42	− 5	+1
17	238.38	100.22	38.38	884.82	1020.25	323.53	63.67	291.39	− 5	−2
18	238.76	100.26	38.76	884.86	1020.63	323.49	63.98	291.37	− 4	−6
19	239.15	100.29	39.15	884.89	1021.02	323.47	64.29	291.35	− 1	−8
20	−239.53	+100.31	−39.53	+884.91	−1021.40	−323.44	−64.60	−291.34	+ 2	−9
21	239.91	100.33	39.91	884.93	1021.78	323.42	64.92	291.33	+ 6	−7
22	240.29	100.35	40.29	884.95	1022.16	323.41	65.23	291.33	+ 8	−4
23	240.68	100.36	40.68	884.96	1022.55	323.40	65.54	291.34	+ 9	0
24	241.06	100.36	41.06	884.96	1022.93	323.40	65.86	291.34	+ 7	+4
25	−241.44	+100.36	−41.44	+884.96	−1023.31	−323.40	−66.17	−291.36	+ 4	+7
26	241.83	100.36	41.83	884.96	1023.70	323.40	66.48	291.38	0	+9
27	242.21	100.35	42.21	884.95	1024.08	323.41	66.79	291.41	− 4	+8
28	242.60	100.34	42.59	884.93	1024.47	323.43	67.10	291.45	− 8	+6
29	242.98	100.32	42.98	884.91	1024.85	323.45	67.42	291.49	−10	+2
30	−243.36	+100.30	−43.36	+884.89	−1025.23	−323.47	−67.73	−291.53	−10	−3
Okt. 1	243.74	100.27	43.74	884.86	1025.61	323.50	68.04	291.59	− 8	−6
2	244.13	100.23	44.13	884.82	1026.00	323.54	68.35	291.64	− 5	−8
3	244.51	100.19	44.51	884.78	1026.38	323.58	68.67	291.71	− 1	−9
4	244.89	100.15	44.90	884.74	1026.76	323.62	68.98	291.78	+ 2	−7
5	−245.27	+100.10	−45.28	+884.69	−1027.14	−323.67	−69.29	−291.86	+ 5	−4
6	245.65	100.05	45.66	884.64	1027.52	323.72	69.60	291.94	+ 6	−1
7	246.03	99.99	46.04	884.59	1027.90	323.78	69.90	292.03	+ 6	+2
8	246.41	99.93	46.42	884.53	1028.28	323.84	70.21	292.13	+ 5	+5
9	246.79	99.86	46.80	884.46	1028.65	323.91	70.51	292.23	+ 4	+7
10	−247.17	+ 99.79	−47.18	+884.39	−1029.03	−323.98	−70.81	−292.34	+ 1	+8
11	247.54	99.71	47.55	884.31	1029.40	324.06	71.11	292.45	− 1	+7
12	247.91	99.63	47.93	884.23	1029.78	324.14	71.40	292.57	− 3	+5
13	248.29	99.54	48.30	884.14	1030.15	324.23	71.70	292.70	− 4	+3
14	248.66	99.45	48.67	884.05	1030.52	324.32	71.99	292.83	− 5	−1
15	−249.03	+ 99.35	−49.04	+883.96	−1030.89	−324.42	−72.28	−292.97	− 4	−4
16	249.40	99.25	49.41	883.86	1031.26	324.52	72.57	293.11	− 2	−7
17	249.76	99.14	49.77	883.75	1031.62	324.62	72.86	293.26	+ 2	−8
18	250.13	99.03	50.14	883.64	1031.99	324.73	73.14	293.41	+ 5	−8
19	250.49	98.91	50.50	883.53	1032.35	324.85	73.42	293.57	+ 8	−6
20	−250.85	+ 98.79	−50.86	+883.41	−1032.71	−324.97	−73.69	−293.74	+ 9	−2
21	251.21	98.67	51.22	883.28	1033.07	325.09	73.97	293.91	+ 8	+2
22	−251.56	+ 98.54	−51.57	+883.15	−1033.42	−325.22	−74.23	−294.09	+ 6	+6
Mittl. Ort	−219".63	+79".03	−19".46	+863".61	−1001".64	−344".58	−86".64	−307".48		

*) Die Vorzeichen gelten für die drei nördlichen Sterne, für den südlichen sind sie umzukehren.

Polnahe Sterne 1937

Koordinaten der scheinbaren Örter für 12^h Sternzeit Greenwich

Tag	BD +89° 1 Gr. 10^m56		BD +89° 3 Gr. 9^m06		BD +89° 37 Gr. 10^m06		CPD −89° 38 Gr. 9^m5		Kurzperiod. Nutationsgl.*)	
1937	x	y	x	y	x	y	x	y	in 0".01	
Okt. 22	−251".56	+98".54	−51".57	+883".15	−1033".42	−325".22	−74".23	−294".09	+ 6	+6
23	251.92	98.41	51.93	883.02	1033.78	325.36	74.50	294.27	+ 2	+9
24	252.27	98.27	52.28	882.88	1034.13	325.50	74.76	294.46	− 3	+9
25	252.62	98.13	52.63	882.74	1034.48	325.64	75.02	294.65	− 7	+7
26	252.96	97.98	52.97	882.59	1034.83	325.79	75.28	294.85	−10	+4
27	−253.31	+97.83	−53.32	+882.43	−1035.17	−325.95	−75.53	−295.05	−11	−1
28	253.65	97.67	53.66	882.28	1035.51	326.10	75.78	295.26	−10	−5
29	253.98	97.51	53.99	882.11	1035.85	326.27	76.02	295.48	− 7	−8
30	254.32	97.34	54.33	881.95	1036.18	326.43	76.26	295.69	− 3	−9
31	254.65	97.17	54.66	881.78	1036.52	326.60	76.50	295.92	0	−8
Nov. 1	−254.98	+97.00	−54.99	+881.60	−1036.85	−326.78	−76.73	−296.15	+ 4	−6
2	255.31	96.82	55.32	881.42	1037.18	326.96	76.96	296.38	+ 6	−2
3	255.63	96.64	55.64	881.24	1037.50	327.14	77.18	296.62	+ 6	+1
4	255.95	96.45	55.96	881.05	1037.82	327.33	77.40	296.86	+ 6	+4
5	256.27	96.26	56.28	880.86	1038.14	327.52	77.61	297.11	+ 4	+7
6	−256.58	+96.06	−56.59	+880.66	−1038.45	−327.72	−77.82	−297.36	+ 2	+8
7	256.89	95.86	56.90	880.46	1038.76	327.92	78.03	297.61	0	+8
8	257.19	95.66	57.20	880.25	1039.06	328.12	78.23	297.87	− 2	+6
9	257.50	95.45	57.51	880.05	1039.37	328.33	78.42	298.13	− 4	+4
10	257.79	95.24	57.80	879.83	1039.66	328.54	78.61	298.40	− 5	+1
11	−258.09	+95.02	−58.10	+879.62	−1039.96	−328.76	−78.80	−298.67	− 4	−3
12	258.38	94.80	58.39	879.40	1040.25	328.98	78.98	298.95	− 2	−6
13	258.67	94.57	58.68	879.18	1040.54	329.21	79.15	299.23	+ 1	−8
14	258.95	94.34	58.96	878.95	1040.82	329.44	79.32	299.51	+ 4	−8
15	259.23	94.11	59.24	878.72	1041.10	329.67	79.48	299.80	+ 7	−7
16	−259.50	+93.87	−59.51	+878.48	−1041.37	−329.91	−79.64	−300.09	+ 9	−4
17	259.77	93.63	59.78	878.24	1041.64	330.15	79.79	300.38	+10	+1
18	260.03	93.38	60.05	878.00	1041.90	330.40	79.94	300.68	+ 8	+5
19	260.29	93.14	60.31	877.75	1042.16	330.64	80.08	300.98	+ 4	+8
20	260.55	92.88	60.57	877.50	1042.42	330.90	80.21	301.28	0	+9
21	−260.80	+92.63	−60.82	+877.25	−1042.67	−331.15	−80.34	−301.59	− 5	+8
22	261.05	92.37	61.07	876.99	1042.92	331.41	80.46	301.90	− 9	+5
23	261.29	92.11	61.31	876.73	1043.16	331.67	80.58	302.21	−11	+1
24	261.53	91.84	61.55	876.46	1043.40	331.94	80.69	302.52	−11	−3
25	261.76	91.58	61.78	876.20	1043.63	332.21	80.80	302.84	− 9	−7
26	−261.99	+91.30	−62.01	+875.92	−1043.86	−332.48	−80.90	−303.15	− 5	−8
27	262.21	91.03	62.23	875.65	1044.08	332.76	80.99	303.47	− 2	−8
28	−262.42	+90.75	−62.44	+875.37	−1044.29	−333.04	−81.08	−303.80	+ 2	−7
Mittl. Ort	−219".63	+79".03	−19".46	+863".61	−1001".64	−344".58	−86".64	−307".48		

*) Die Vorzeichen gelten für die drei nördlichen Sterne, für den südlichen sind sie umzukehren.

Polnahe Sterne 1937

Koordinaten der scheinbaren Örter für 12^{h} Sternzeit Greenwich

Tag		BD +89° 1 Gr. $10^{m}.56$		BD +89° 3 Gr. $9^{m}.06$		BD +89° 37 Gr. $10^{m}.06$		CPD −89° 38 Gr. $9^{m}.5$		Kurzperiod. Nutationsgl.*)	
1937		x	y	x	y	x	y	x	y	in 0.″01	
Nov.	28	−262.″42	+90.″75	−62.″44	+875.″37	−1044.″29	−333.″04	−81.″08	−303.″80	+ 2	−7
	29	262.64	90.47	62.66	875.09	1044.51	333.32	81.16	304.12	+ 4	−4
	30	262.84	90.19	62.86	874.81	1044.71	333.60	81.23	304.45	+ 6	0
Dez.	1	263.04	89.91	63.06	874.53	1044.91	333.89	81.30	304.78	+ 6	+3
	2	263.24	89.62	63.26	874.24	1045.11	334.18	81.36	305.11	+ 4	+6
	3	−263.43	+89.33	−63.45	+873.95	−1045.30	−334.47	−81.41	−305.45	+ 2	+7
	4	263.61	89.03	63.63	873.66	1045.48	334.77	81.46	305.78	0	+8
	5	263.79	88.74	63.81	873.36	1045.66	335.06	81.50	306.12	− 2	+7
	6	263.97	88.44	63.99	873.06	1045.84	335.37	81.54	306.46	− 4	+5
	7	264.13	88.14	64.15	872.76	1046.00	335.67	81.57	306.79	− 5	+2
	8	−264.29	+87.83	−64.31	+872.46	−1046.16	−335.97	−81.59	−307.13	− 4	−2
	9	264.45	87.53	64.47	872.15	1046.32	336.28	81.61	307.47	− 3	−5
	10	264.60	87.22	64.62	871.85	1046.47	336.59	81.62	307.81	0	−7
	11	264.74	86.91	64.76	871.54	1046.61	336.89	81.62	308.15	+ 3	−8
	12	264.88	86.60	64.90	871.23	1046.75	337.21	81.62	308.50	+ 6	−7
	13	−265.01	+86.29	−65.03	+870.92	−1046.88	−337.52	−81.61	−308.84	+ 9	−5
	14	265.13	85.97	65.16	870.60	1047.01	337.84	81.60	309.18	+10	−1
	15	265.25	85.66	65.28	870.29	1047.13	338.16	81.57	309.53	+ 9	+3
	16	265.36	85.34	65.39	869.97	1047.24	338.47	81.55	309.87	+ 7	+6
	17	265.47	85.02	65.50	869.65	1047.35	338.79	81.51	310.21	+ 2	+9
	18	−265.57	+84.70	−65.60	+869.33	−1047.45	−339.12	−81.47	−310.55	− 3	+9
	19	265.66	84.38	65.70	869.01	1047.54	339.44	81.42	310.90	− 7	+6
	20	265.75	84.05	65.79	868.69	1047.63	339.76	81.37	311.24	−10	+3
	21	265.83	83.73	65.87	868.37	1047.71	340.09	81.30	311.58	−11	−2
	22	265.91	83.41	65.94	868.04	1047.78	340.41	81.24	311.92	−10	−6
	23	−265.98	+83.08	−66.01	+867.72	−1047.85	−340.74	−81.16	−312.26	− 7	−8
	24	266.04	82.75	66.07	867.39	1047.91	341.07	81.08	312.60	− 3	−9
	25	266.10	82.43	66.13	867.07	1047.97	341.40	80.99	312.94	0	−8
	26	266.15	82.10	66.18	866.74	1048.02	341.73	80.90	313.27	+ 3	−5
	27	266.19	81.78	66.22	866.42	1048.06	342.06	80.80	313.61	+ 5	−2
	28	−266.22	+81.45	−66.26	+866.09	−1048.10	−342.38	−80.69	−313.94	+ 5	+2
	29	266.25	81.12	66.29	865.76	1048.13	342.71	80.58	314.28	+ 4	+5
	30	266.27	80.79	66.31	865.43	1048.15	343.04	80.46	314.61	+ 3	+7
	31	266.29	80.47	66.33	865.11	1048.17	343.37	80.33	314.94	+ 1	+8
	32	−266.30	+80.14	−66.34	+864.78	−1048.18	−343.69	−80.20	−315.27	− 2	+7
Mittl. Ort		−219.″63	+79.″03	−19.″46	+863.″61	−1001.″64	−344.″58	−86.″64	−307.″48		

*) Die Vorzeichen gelten für die drei nördlichen Sterne, für den südlichen sind sie umzukehren.

Formeln

zur Reduktion auf den scheinbaren Ort

$$A = t - (0.34215 + 0.00031\,T)\sin\Omega + 0.00415\sin 2\Omega - 0.02526\sin 2L_\odot$$
$$+ 0.00251\sin M_\odot - 0.00099\sin(2L_\odot + M_\odot) + 0.00042\sin(2L_\odot - M_\odot)$$
$$+ 0.00025\sin(2L_\odot - \Omega)$$

$$A' = -0.00405\sin 2L_☾ + 0.00135\sin M_☾ - 0.00068\sin(2L_☾ - \Omega)$$
$$- 0.00052\sin(2L_☾ + M_☾) + 0.00030\sin(2L_☾ - 2L_\odot - M_☾)$$
$$+ 0.00023\sin(2L_☾ - M_☾) + 0.00012\sin(2L_☾ - 2L_\odot)$$

$$B = -(9''.210 + 0''.001\,T)\cos\Omega + 0''.090\cos 2\Omega - 0''.551\cos 2L_\odot$$
$$- 0''.022\cos(2L_\odot + M_\odot) + 0''.009\cos(2L_\odot - M_\odot)$$
$$+ 0''.007\cos(2L_\odot - \Omega)$$

$$B' = -0''.089\cos 2L_☾ - 0''.018\cos(2L_☾ - \Omega) - 0''.011\cos(2L_☾ + M_☾)$$
$$+ 0''.005\cos(2L_☾ - M_☾)$$

$$C = -20''.47\cos\odot\cos\varepsilon$$

$$D = -20''.47\sin\odot$$

$$E = -(0^s.0029 - 0^s.0004\,T)\sin\Omega$$

T Zeit seit 1900.0 in Einheiten von 100 tropischen Jahren,
t Zeit seit Beginn des annus fictus in Bruchteilen des tropischen Jahres;
$t = 0$ für 1937 Januar $0^d.7748$ Welt-Zeit.

$a = m + {}^1/_{15}\,n\sin\alpha\,\mathrm{tg}\,\delta$	$a' = n\cos\alpha$
$b = {}^1/_{15}\cos\alpha\,\mathrm{tg}\,\delta$	$b' = -\sin\alpha$
$c = {}^1/_{15}\cos\alpha\sec\delta$	$c' = \mathrm{tg}\,\varepsilon\cos\delta - \sin\alpha\sin\delta$
$d = {}^1/_{15}\sin\alpha\sec\delta$	$d' = \cos\alpha\sin\delta$

Für 1937.0 gilt: $m = +3.0730$, $n = +20''.044$, $\varepsilon = 23°\,26'\,50''.92$

$$\alpha_{app.} = \alpha_{1937.0} + t\mu_\alpha + Aa + Bb + Cc + Dd + E + [A'a + B'b]$$
$$\delta_{app.} = \delta_{1937.0} + t\mu_\delta + Aa' + Bb' + Cc' + Dd' + [A'a' + B'b']$$

μ_α, μ_δ jährliche Eigenbewegung in Rektaszension, bez. Deklination.

Setzt man

$f = mA + E$	$f' = mA'$	$i = C\,\mathrm{tg}\,\varepsilon$
$g\sin G = B$	$g'\sin G' = B'$	$h\sin H = C$
$g\cos G = nA$	$g'\cos G' = nA'$	$h\cos H = D,$

so wird:

$$\alpha_{app.} = \alpha_{1937.0} + t\mu_\alpha + f + {}^1/_{15}\,g\sin(G+\alpha)\,\mathrm{tg}\,\delta + {}^1/_{15}\,h\sin(H+\alpha)\sec\delta$$
$$+ [f' + {}^1/_{15}\,g'\sin(G'+\alpha)\,\mathrm{tg}\,\delta]$$

$$\delta_{app.} = \delta_{1937.0} + t\mu_\delta + g\cos(G+\alpha) + h\cos(H+\alpha)\sin\delta + i\cos\delta$$
$$+ [g'\cos(G'+\alpha)]$$

Reduktionsgrößen 1937

für 12^h Sternzeit Greenwich

Welt-Zeit		*t*	log *A*	log *B*	log *C*	log *D*	*E*
1937		s					s
Jan.	0.2	−0.0015	9.54095	0.16997	0.48615*n*	1.30526	+0.0027
	10.2	+0.0258	9.58308	0.16732	0.79831*n*	1.28533	27
	20.2	0.0531	9.61942	0.14829	0.96876*n*	1.24993	26
	30.1	0.0804	9.65021	0.11694	1.08034*n*	1.19634	26
Febr.	9.1	0.1077	9.67605	0.07773	1.15764*n*	1.11959	26
	19.1	0.1350	9.69774	0.03941	1.21133*n*	1.00966	+0.0026
März	1.1	0.1623	9.71604	0.01242	1.24687*n*	0.84386	26
	11.0	0.1896	9.73197	0.00647	1.26710*n*	0.54900	26
	21.0	0.2169	9.74645	0.02653	1.27367*n*	8.00000	26
	31.0	0.2442	9.76042	0.07041	1.26724*n*	0.54394*n*	26
April	10.0	0.2715	9.77464	0.13066	1.24760*n*	0.83797*n*	+0.0026
	19.9	0.2988	9.78967	0.19700	1.21370*n*	1.00234*n*	26
	29.9	0.3261	9.80583	0.26245	1.16337*n*	1.11120*n*	26
Mai	9.9	0.3534	9.82319	0.32181	1.09248*n*	1.18746*n*	26
	19.8	0.3808	9.84157	0.37199	0.99295*n*	1.24142*n*	26
	29.8	0.4081	9.86062	0.41263	0.84770*n*	1.27823*n*	+0.0026
Juni	8.8	0.4354	9.87994	0.44279	0.60799*n*	1.30075*n*	26
	18.8	0.4627	9.89902	0.46300	9.98498*n*	1.31054*n*	26
	28.7	0.4900	9.91743	0.47407	0.33203	1.30827*n*	26
Juli	8.7	0.5173	9.93476	0.47611	0.71592	1.29380*n*	26
	18.7	0.5446	9.95074	0.47129	0.90902	1.26630*n*	+0.0026
	28.6	0.5719	9.96516	0.46030	1.03342	1.22388*n*	25
Aug.	7.6	0.5992	9.97795	0.44560	1.12054	1.16319*n*	25
	17.6	0.6265	9.98917	0.42991	1.18290	1.07795*n*	25
	27.6	0.6538	9.99894	0.41664	1.22676	0.95545*n*	25
Sept.	6.5	0.6811	0.00754	0.40892	1.25542	0.76455*n*	+0.0025
	16.5	0.7084	0.01530	0.40976	1.27063	0.38453*n*	25
	26.5	0.7357	0.02262	0.42062	1.27309	0.02407	25
Okt.	6.5	0.7630	0.02992	0.44170	1.26278	0.65552	25
	16.4	0.7903	0.03759	0.47026	1.23885	0.89653	25
	26.4	0.8176	0.04596	0.50379	1.19940	1.04206	+0.0025
Nov.	5.4	0.8449	0.05524	0.53857	1.14104	1.14114	25
	15.4	0.8722	0.06549	0.57183	1.05744	1.21096	25
	25.3	0.8995	0.07663	0.60086	0.93601	1.25959	24
Dez.	5.3	0.9268	0.08841	0.62397	0.74578	1.29112	24
	15.3	0.9541	0.10052	0.64028	0.36642	1.30777	+0.0024
	25.2	0.9814	0.11258	0.64963	9.99826*n*	1.31050	24
	35.2	1.0088	0.12421	0.65205	0.63246*n*	1.29949	+0.0024

Tag		0ʰ Welt-Zeit							
	Sternzeit Greenw.	t	f	log g	G	log h	H	log i	i
1937	h	a	s		h m		h m		"
Jan. 0	6.6	—0.0021	+1.068	0.8515	0 47.9	1.3102	23 26.3	0.1129n	—1.297
1	6.7	+0.0006	1.079	0.8559	0 47.6	1.3100	23 22.6	0.1584n	1.440
2	6.7	0.0034	1.090	0.8602	0 47.2	1.3098	23 18.8	0.1992n	1.582
3	6.8	0.0061	1.101	0.8645	0 46.7	1.3096	23 15.1	0.2365n	1.724
4	6.9	0.0088	1.112	0.8686	0 46.3	1.3093	23 11.3	0.2707n	1.865
5	6.9	0.0116	1.123	0.8727	0 45.8	1.3090	23 7.5	0.3021n	2.005
6	7.0	0.0143	+1.134	0.8767	0 45.4	1.3087	23 3.7	0.3314n	—2.145
7	7.1	0.0170	1.145	0.8806	0 44.9	1.3084	22 59.9	0.3589n	2.285
8	7.1	0.0198	1.156	0.8846	0 44.5	1.3080	22 56.2	0.3845n	2.424
9	7.2	0.0225	1.167	0.8884	0 44.0	1.3077	22 52.4	0.4086n	2.562
10	7.3	0.0253	1.177	0.8922	0 43.5	1.3073	22 48.6	0.4312n	2.699
11	7.3	0.0280	1.188	0.8960	0 43.0	1.3069	22 44.7	0.4526n	2.835
12	7.4	0.0307	+1.199	0.8996	0 42.5	1.3065	22 40.9	0.4728n	—2.970
13	7.5	0.0335	1.209	0.9032	0 42.0	1.3061	22 37.1	0.4921n	3.105
14	7.5	0.0362	1.219	0.9067	0 41.4	1.3056	22 33.3	0.5104n	3.239
15	7.6	0.0389	1.230	0.9102	0 40.9	1.3051	22 29.4	0.5278n	3.371
16	7.7	0.0417	1.240	0.9137	0 40.4	1.3047	22 25.6	0.5443n	3.502
17	7.7	0.0444	1.250	0.9170	0 39.9	1.3042	22 21.7	0.5601n	3.632
18	7.8	0.0472	+1.260	0.9204	0 39.4	1.3037	22 17.9	0.5753n	—3.761
19	7.9	0.0499	1.270	0.9237	0 38.9	1.3031	22 14.0	0.5898n	3.889
20	7.9	0.0526	1.280	0.9269	0 38.4	1.3026	22 10.1	0.6038n	4.016
21	8.0	0.0554	1.290	0.9301	0 37.8	1.3020	22 6.2	0.6171n	4.141
22	8.1	0.0581	1.300	0.9332	0 37.3	1.3015	22 2.3	0.6299n	4.265
23	8.1	0.0609	1.310	0.9362	0 36.8	1.3009	21 58.4	0.6422n	4.387
24	8.2	0.0636	+1.319	0.9392	0 36.3	1.3003	21 54.5	0.6540n	—4.508
25	8.3	0.0663	1.329	0.9422	0 35.8	1.2997	21 50.6	0.6654n	4.628
26	8.3	0.0691	1.338	0.9451	0 35.3	1.2991	21 46.7	0.6763n	4.746
27	8.4	0.0718	1.348	0.9480	0 34.8	1.2985	21 42.7	0.6869n	4.863
28	8.5	0.0745	1.357	0.9509	0 34.3	1.2979	21 38.8	0.6971n	4.978
29	8.5	0.0773	1.366	0.9537	0 33.8	1.2972	21 34.8	0.7068n	5.091
30	8.6	0.0800	+1.375	0.9564	0 33.3	1.2966	21 30.8	0.7163n	—5.203
31	8.7	0.0828	1.384	0.9591	0 32.8	1.2960	21 26.8	0.7254n	5.314
Febr. 1	8.7	0.0855	1.392	0.9617	0 32.3	1.2953	21 22.8	0.7342n	5.422
2	8.8	0.0882	1.401	0.9643	0 31.8	1.2947	21 18.8	0.7426n	5.529
3	8.9	0.0910	1.410	0.9668	0 31.4	1.2940	21 14.8	0.7508n	5.634
4	8.9	0.0937	1.418	0.9693	0 30.9	1.2933	21 10.8	0.7587n	5.737
5	9.0	0.0964	+1.427	0.9718	0 30.4	1.2927	21 6.7	0.7663n	—5.839
6	9.0	0.0992	1.435	0.9742	0 30.0	1.2920	21 2.7	0.7736n	5.938
7	9.1	0.1019	1.443	0.9766	0 29.6	1.2914	20 58.6	0.7807n	6.036
8	9.2	0.1047	1.451	0.9789	0 29.1	1.2907	20 54.5	0.7876n	6.132
9	9.2	0.1074	1.459	0.9812	0 28.7	1.2900	20 50.4	0.7942n	6.226
10	9.3	0.1101	+1.467	0.9834	0 28.3	1.2894	20 46.3	0.8005n	—6.317

Tag		f'	g'	G'	Allgemeine Präzession seit 1937.0	$\Delta\psi$	$\Delta\psi'$	Wahre Schiefe	$\Delta\varepsilon$	$\Delta\varepsilon'$	j	k
		0h Welt-Zeit										
1937		in 0.s001	in 0."01	h	"	"	in 0."01	23° 26' "	"	in 0."01	in 0.001	
Jan.	0	+17	+11	23.4	−0.11	+17.57	+28	49.47	−1.48	+2	31	89
	1	+15	11	22.0	+0.03	17.61	+24	49.50	1.48	+6	31	89
	2	+10	10	20.6	0.17	17.66	+16	49.52	1.48	+8	32	89
	3	+ 4	9	19.2	0.31	17.70	+ 7	49.53	1.48	+9	32	89
	4	− 1	8	17.5	0.44	17.74	− 2	49.52	1.48	+8	32	89
	5	− 6	7	15.6	0.58	17.79	−10	49.50	1.48	+6	32	89
	6	−10	+ 7	13.5	+0.72	+17.83	−16	49.46	−1.48	+3	33	89
	7	−11	7	11.6	0.86	17.87	−18	49.43	1.48	−1	33	89
	8	−11	8	10.0	1.00	17.91	−18	49.40	1.48	−4	33	89
	9	− 9	9	8.6	1.13	17.94	−14	49.38	1.47	−7	34	89
	10	− 5	9	7.4	1.27	17.98	− 8	49.36	1.47	−8	34	88
	11	0	8	6.1	1.41	18.02	− 1	49.37	1.47	−8	34	88
	12	+ 4	+ 7	4.6	+1.54	+18.05	+ 6	49.39	−1.46	−7	35	88
	13	+ 7	6	2.6	1.68	18.09	+12	49.42	1.46	−4	35	88
	14	+ 9	6	0.1	1.82	18.12	+15	49.46	1.45	0	35	88
	15	+ 8	7	21.6	1.96	18.15	+13	49.50	1.44	+4	35	88
	16	+ 5	8	19.6	2.10	18.18	+ 8	49.54	1.44	+7	36	88
	17	0	9	18.0	2.23	18.21	0	49.56	1.43	+9	36	88
	18	− 6	+10	16.4	+2.37	+18.24	−10	49.57	−1.42	+9	36	88
	19	−11	9	14.8	2.51	18.26	−18	49.55	1.42	+6	37	88
	20	−14	9	13.0	2.64	18.29	−22	49.52	1.41	+2	37	88
	21	−13	9	11.0	2.78	18.31	−22	49.48	1.40	−2	37	87
	22	−10	9	9.0	2.92	18.34	−16	49.44	1.39	−6	37	87
	23	− 4	9	7.0	3.06	18.36	− 6	49.43	1.38	−9	38	87
	24	+ 3	+10	5.1	+3.20	+18.38	+ 6	49.43	−1.37	−9	38	87
	25	+10	10	3.3	3.33	18.39	+16	49.46	1.36	−7	38	87
	26	+15	10	1.5	3.47	18.41	+24	49.50	1.35	−4	38	87
	27	+16	11	23.9	3.61	18.42	+27	49.56	1.34	0	39	87
	28	+15	11	22.3	3.74	18.44	+24	49.61	1.33	+4	39	87
	29	+11	10	20.9	3.88	18.45	+18	49.65	1.32	+7	39	87
	30	+ 6	+ 9	19.5	+4.02	+18.46	+ 9	49.67	−1.31	+9	39	86
	31	0	8	18.0	4.16	18.47	0	49.67	1.30	+8	40	86
Febr.	1	− 5	7	16.2	4.30	18.47	− 9	49.67	1.29	+6	40	86
	2	− 9	7	14.0	4.43	18.48	−15	49.65	1.27	+3	40	86
	3	−11	7	12.1	4.57	18.48	−18	49.62	1.26	0	40	86
	4	−11	8	10.5	4.71	18.48	−18	49.60	1.25	−3	41	86
	5	− 9	+ 9	9.1	+4.85	+18.48	−15	49.58	−1.24	−6	41	86
	6	− 6	9	7.8	4.99	18.48	−10	49.57	1.23	−8	41	85
	7	− 2	8	6.6	5.12	18.48	− 3	49.58	1.22	−8	41	85
	8	+ 2	7	5.3	5.26	18.47	+ 4	49.60	1.21	−7	42	85
	9	+ 6	6	3.4	5.40	18.47	+10	49.63	1.20	−5	42	85
	10	+ 8	+ 6	1.0	+5.53	+18.46	+14	49.68	−1.19	−1	42	85

Reduktionsgrößen 1937

Tag	0ʰ Welt-Zeit								
	Stern-zeit Greenw.	*t*	*f*	log *g*	*G*	log *h*	*H*	log *i*	*i*
1937	h	a	s		h m		h m		"
Febr. 10	9.3	0.1101	+1.467	0.9834	0 28.3	1.2894	20 46.3	0.8005_n	−6.317
11	9.4	0.1129	1.475	0.9857	0 27.9	1.2887	20 42.2	0.8067_n	6.407
12	9.4	0.1156	1.483	0.9878	0 27.5	1.2881	20 38.1	0.8125_n	6.494
13	9.5	0.1183	1.491	0.9900	0 27.1	1.2874	20 34.0	0.8182_n	6.580
14	9.6	0.1211	1.498	0.9921	0 26.7	1.2868	20 29.8	0.8237_n	6.664
15	9.6	0.1238	1.505	0.9942	0 26.4	1.2861	20 25.7	0.8290_n	6.746
16	9.7	0.1266	+1.513	0.9963	0 26.0	1.2855	20 21.5	0.8341_n	−6.825
17	9.8	0.1293	1.520	0.9983	0 25.7	1.2849	20 17.3	0.8390_n	6.902
18	9.8	0.1320	1.527	1.0002	0 25.3	1.2843	20 13.2	0.8437_n	6.977
19	9.9	0.1348	1.534	1.0021	0 25.0	1.2837	20 9.0	0.8482_n	7.050
20	10.0	0.1375	1.541	1.0040	0 24.7	1.2831	20 4.8	0.8525_n	7.121
21	10.0	0.1403	1.548	1.0059	0 24.4	1.2825	20 0.5	0.8567_n	7.189
22	10.1	0.1430	+1.555	1.0077	0 24.2	1.2820	19 56.3	0.8607_n	−7.256
23	10.2	0.1457	1.562	1.0096	0 23.9	1.2814	19 52.1	0.8645_n	7.320
24	10.2	0.1485	1.568	1.0114	0 23.6	1.2809	19 47.9	0.8682_n	7.382
25	10.3	0.1512	1.575	1.0132	0 23.4	1.2803	19 43.6	0.8716_n	7.441
26	10.4	0.1539	1.581	1.0149	0 23.2	1.2798	19 39.4	0.8749_n	7.497
27	10.4	0.1567	1.588	1.0167	0 22.9	1.2793	19 35.1	0.8781_n	7.552
28	10.5	0.1594	+1.594	1.0183	0 22.7	1.2789	19 30.8	0.8811_n	−7.605
März 1	10.6	0.1622	1.600	1.0200	0 22.6	1.2784	19 26.5	0.8839_n	7.655
2	10.6	0.1649	1.607	1.0216	0 22.4	1.2780	19 22.3	0.8866_n	7.702
3	10.7	0.1676	1.613	1.0233	0 22.2	1.2775	19 18.0	0.8891_n	7.747
4	10.8	0.1704	1.619	1.0249	0 22.1	1.2771	19 13.7	0.8915_n	7.790
5	10.8	0.1731	1.625	1.0266	0 21.9	1.2768	19 9.4	0.8938_n	7.831
6	10.9	0.1758	+1.631	1.0282	0 21.8	1.2764	19 5.1	0.8959_n	−7.868
7	11.0	0.1786	1.637	1.0297	0 21.7	1.2761	19 0.8	0.8978_n	7.904
8	11.0	0.1813	1.643	1.0313	0 21.6	1.2757	18 56.4	0.8997_n	7.937
9	11.1	0.1841	1.649	1.0328	0 21.5	1.2754	18 52.1	0.9013_n	7.968
10	11.2	0.1868	1.654	1.0343	0 21.5	1.2752	18 47.8	0.9029_n	7.996
11	11.2	0.1895	1.660	1.0359	0 21.4	1.2749	18 43.5	0.9043_n	8.022
12	11.3	0.1923	+1.666	1.0373	0 21.4	1.2747	18 39.1	0.9056_n	−8.046
13	11.3	0.1950	1.672	1.0388	0 21.4	1.2745	18 34.8	0.9067_n	8.066
14	11.4	0.1977	1.677	1.0403	0 21.4	1.2743	18 30.5	0.9077_n	8.085
15	11.5	0.2005	1.683	1.0417	0 21.4	1.2741	18 26.1	0.9085_n	8.101
16	11.5	0.2032	1.689	1.0432	0 21.4	1.2740	18 21.8	0.9093_n	8.115
17	11.6	0.2060	1.694	1.0447	0 21.4	1.2739	18 17.5	0.9099_n	8.126
18	11.7	0.2087	+1.700	1.0461	0 21.5	1.2738	18 13.1	0.9104_n	−8.135
19	11.7	0.2114	1.706	1.0475	0 21.5	1.2737	18 8.8	0.9107_n	8.141
20	11.8	0.2142	1.711	1.0490	0 21.6	1.2737	18 4.5	0.9108_n	8.144
21	11.9	0.2169	1.717	1.0504	0 21.7	1.2737	18 0.1	0.9109_n	8.146
22	11.9	0.2196	1.722	1.0518	0 21.8	1.2737	17 55.8	0.9108_n	8.144
23	12.0	0.2224	+1.728	1.0533	0 21.9	1.2737	17 51.5	0.9107_n	−8.141

Tag	0h Welt-Zeit										
	f'	g'	G'	Allgemeine Präzession seit 1937.0	$\Delta\psi$	$\Delta\psi'$	Wahre Schiefe	$\Delta\varepsilon$	$\Delta\varepsilon'$	j	k
1937	in 0.001 s	in 0.01 "	h	"	"	in 0.01 "	23° 26′ "	"	in 0.01 "	in 0.001	
Febr. 10	+ 8	+ 6	1.0	+ 5.53	+18.46	+14	49.68	−1.19	−1	42	85
11	+ 9	6	22.4	5.67	18.45	+14	49.73	1.17	+3	42	85
12	+ 6	7	20.3	5.81	18.44	+11	49.77	1.16	+6	42	85
13	+ 2	9	18.6	5.95	18.43	+ 3	49.80	1.15	+9	43	85
14	− 3	9	17.1	6.09	18.41	− 6	49.82	1.14	+9	43	84
15	− 8	9	15.5	6.22	18.39	−14	49.81	1.13	+7	43	84
16	−12	+ 9	13.7	+ 6.36	+18.38	−20	49.78	−1.12	+4	43	84
17	−13	8	11.6	6.50	18.36	−21	49.75	1.11	−1	43	84
18	−10	8	9.4	6.64	18.34	−17	49.71	1.10	−5	44	84
19	− 5	9	7.5	6.78	18.31	− 8	49.69	1.09	−8	44	84
20	+ 2	9	5.6	6.91	18.29	+ 3	49.68	1.09	−9	44	84
21	+ 8	10	3.8	7.05	18.27	+14	49.70	1.08	−8	44	84
22	+13	+10	2.1	+ 7.19	+18.24	+22	49.73	−1.07	−5	44	84
23	+16	11	0.4	7.32	18.21	+26	49.78	1.06	−1	45	83
24	+15	11	22.8	7.46	18.18	+25	49.83	1.06	+3	45	83
25	+12	10	21.3	7.60	18.15	+20	49.87	1.05	+7	45	83
26	+ 7	10	19.9	7.74	18.12	+12	49.90	1.04	+8	45	83
27	+ 1	9	18.3	7.88	18.09	+ 2	49.90	1.04	+9	45	83
28	− 4	+ 8	16.6	+ 8.01	+18.06	− 7	49.89	−1.03	+7	46	83
März 1	− 8	7	14.6	8.15	18.02	−14	49.87	1.03	+4	46	83
2	−11	7	12.7	8.29	17.98	−18	49.84	1.02	+1	46	83
3	−12	8	11.0	8.42	17.95	−19	49.81	1.02	−2	46	83
4	−10	9	9.5	8.56	17.91	−17	49.78	1.02	−5	46	83
5	− 8	9	8.3	8.70	17.87	−12	49.76	1.02	−7	46	83
6	− 4	+ 8	7.2	+ 8.84	+17.83	− 6	49.75	−1.01	−8	47	83
7	0	7	5.9	8.98	17.79	+ 1	49.75	1.01	−8	47	82
8	+ 4	6	4.3	9.11	17.75	+ 7	49.77	1.01	−6	47	82
9	+ 7	5	2.0	9.25	17.71	+12	49.80	1.01	−3	47	82
10	+ 8	6	23.1	9.39	17.67	+13	49.84	1.01	+1	47	82
11	+ 7	7	20.7	9.53	17.62	+11	49.87	1.01	+5	47	82
12	+ 3	+ 8	18.9	+ 9.67	+17.58	+ 5	49.90	−1.02	+8	48	82
13	− 2	9	17.5	9.80	17.54	− 3	49.91	1.02	+9	48	82
14	− 7	9	16.0	9.94	17.49	−11	49.89	1.02	+8	48	82
15	−11	9	14.4	10.08	17.45	−18	49.86	1.02	+5	48	82
16	−12	8	12.4	10.21	17.40	−20	49.81	1.03	+1	48	82
17	−11	8	10.1	10.35	17.35	−18	49.76	1.03	−4	48	82
18	− 6	+ 8	8.0	+10.49	+17.31	−10	49.71	−1.04	−7	49	82
19	0	9	6.0	10.63	17.26	0	49.69	1.05	−9	49	82
20	+ 7	10	4.2	10.77	17.22	+11	49.68	1.05	−9	49	82
21	+13	11	2.5	10.90	17.17	+21	49.70	1.06	−6	49	82
22	+16	11	0.9	11.04	17.12	+27	49.73	1.07	−3	49	82
23	+16	+11	23.4	+11.18	+17.08	+27	49.76	−1.08	+2	49	82

Tag	0h Welt-Zeit								
	Sternzeit Greenw.	t	f	log g	G	log h	H	log i	i
1937	h	s	s		h m		h m		"
März 23	12.0	0.2224	+1.728	1.0533	0 21.9	1.2737	17 51.5	0.9107n	−8.141
24	12.1	0.2251	1.734	1.0547	0 22.1	1.2738	17 47.2	0.9104n	8.135
25	12.1	0.2279	1.739	1.0561	0 22.2	1.2739	17 42.9	0.9099n	8.127
26	12.2	0.2306	1.745	1.0576	0 22.3	1.2740	17 38.5	0.9093n	8.116
27	12.3	0.2333	1.750	1.0590	0 22.5	1.2741	17 34.2	0.9086n	8.102
28	12.3	0.2361	1.756	1.0604	0 22.7	1.2743	17 29.9	0.9077n	8.086
29	12.4	0.2388	+1.761	1.0619	0 22.8	1.2744	17 25.6	0.9068n	−8.069
30	12.5	0.2416	1.767	1.0633	0 23.0	1.2746	17 21.3	0.9057n	8.049
31	12.5	0.2443	1.773	1.0647	0 23.2	1.2749	17 17.1	0.9045n	8.026
April 1	12.6	0.2470	1.779	1.0661	0 23.5	1.2751	17 12.8	0.9031n	8.000
2	12.7	0.2498	1.784	1.0676	0 23.7	1.2754	17 8.5	0.9016n	7.972
3	12.7	0.2525	1.790	1.0690	0 24.0	1.2757	17 4.2	0.8999n	7.942
4	12.8	0.2552	+1.796	1.0705	0 24.2	1.2760	17 0.0	0.8982n	−7.910
5	12.9	0.2580	1.802	1.0720	0 24.5	1.2763	16 55.8	0.8963n	7.875
6	12.9	0.2607	1.808	1.0735	0 24.7	1.2767	16 51.5	0.8942n	7.838
7	13.0	0.2635	1.814	1.0750	0 25.0	1.2770	16 47.3	0.8920n	7.799
8	13.1	0.2662	1.820	1.0765	0 25.3	1.2774	16 43.1	0.8897n	7.757
9	13.1	0.2689	1.826	1.0779	0 25.6	1.2778	16 38.9	0.8873n	7.714
10	13.2	0.2717	+1.832	1.0795	0 25.9	1.2783	16 34.7	0.8847n	−7.668
11	13.3	0.2744	1.838	1.0810	0 26.2	1.2787	16 30.5	0.8820n	7.620
12	13.3	0.2771	1.844	1.0825	0 26.5	1.2792	16 26.3	0.8790n	7.569
13	13.4	0.2799	1.851	1.0841	0 26.8	1.2797	16 22.2	0.8760n	7.517
14	13.4	0.2826	1.857	1.0857	0 27.1	1.2801	16 18.0	0.8729n	7.462
15	13.5	0.2854	1.864	1.0872	0 27.4	1.2806	16 13.9	0.8696n	7.406
16	13.6	0.2881	+1.870	1.0888	0 27.8	1.2812	16 9.7	0.8661n	−7.347
17	13.6	0.2908	1.877	1.0904	0 28.1	1.2817	16 5.6	0.8625n	7.286
18	13.7	0.2936	1.883	1.0921	0 28.4	1.2822	16 1.5	0.8587n	7.223
19	13.8	0.2963	1.890	1.0937	0 28.8	1.2828	15 57.4	0.8547n	7.157
20	13.8	0.2990	1.897	1.0953	0 29.1	1.2834	15 53.4	0.8506n	7.089
21	13.9	0.3018	1.904	1.0969	0 29.5	1.2839	15 49.3	0.8463n	7.020
22	14.0	0.3045	+1.910	1.0986	0 29.8	1.2845	15 45.2	0.8419n	−6.949
23	14.0	0.3073	1.917	1.1003	0 30.1	1.2851	15 41.2	0.8373n	6.876
24	14.1	0.3100	1.924	1.1020	0 30.5	1.2857	15 37.2	0.8325n	6.800
25	14.2	0.3127	1.932	1.1037	0 30.8	1.2863	15 33.2	0.8276n	6.723
26	14.2	0.3155	1.939	1.1054	0 31.2	1.2869	15 29.2	0.8224n	6.644
27	14.3	0.3182	1.946	1.1071	0 31.5	1.2876	15 25.2	0.8171n	6.563
28	14.4	0.3210	+1.954	1.1088	0 31.9	1.2882	15 21.2	0.8116n	−6.480
29	14.4	0.3237	1.961	1.1106	0 32.2	1.2888	15 17.3	0.8059n	6.396
30	14.5	0.3264	1.969	1.1124	0 32.5	1.2894	15 13.3	0.8000n	6.310
Mai 1	14.6	0.3292	1.976	1.1142	0 32.9	1.2901	15 9.4	0.7939n	6.222
2	14.6	0.3319	1.984	1.1160	0 33.2	1.2907	15 5.5	0.7876n	6.132
3	14.7	0.3346	+1.992	1.1178	0 33.5	1.2913	15 1.6	0.7810n	−6.040

Tag	0h Welt-Zeit										
	f'	g'	G'	Allgemeine Präzession seit 1937.0	$\Delta\psi$	$\Delta\psi'$	Wahre Schiefe	$\Delta\varepsilon$	$\Delta\varepsilon'$	j	k
1937	in 0.s001	in 0."01				in 0."01	23°26'		in 0."01	in 0.001	
März 23	+16	+11	23.h4	+11."18	+17."08	+27	49."76	−1."08	+2	49	82
24	+14	11	21.9	11.31	17.03	+23	49.79	1.09	+6	49	82
25	+ 9	10	20.3	11.45	16.98	+15	49.80	1.10	+8	50	82
26	+ 3	9	18.9	11.59	16.94	+ 5	49.80	1.11	+9	50	82
27	− 2	8	17.2	11.73	16.89	− 4	49.77	1.12	+8	50	82
28	− 7	7	15.3	11.87	16.84	−12	49.74	1.13	+5	50	82
29	−10	+ 7	13.2	+12.00	+16.80	−17	49.69	−1.15	+2	50	82
30	−11	7	11.4	12.14	16.76	−19	49.64	1.16	−1	50	82
31	−11	8	9.9	12.28	16.71	−18	49.59	1.18	−4	51	82
April 1	− 9	9	8.6	12.42	16.67	−14	49.55	1.20	−7	51	82
2	− 5	9	7.5	12.56	16.62	− 8	49.52	1.21	−8	51	82
3	− 1	8	6.4	12.69	16.58	− 2	49.51	1.22	−8	51	82
4	+ 3	+ 7	4.9	+12.83	+16.54	+ 4	49.50	−1.24	−6	51	82
5	+ 6	5	2.8	12.97	16.50	+ 9	49.51	1.26	−4	52	82
6	+ 7	5	23.8	13.10	16.46	+12	49.53	1.27	0	52	83
7	+ 6	6	21.2	13.24	16.42	+11	49.55	1.29	+4	52	83
8	+ 3	7	19.2	13.38	16.38	+ 6	49.56	1.31	+7	52	83
9	− 1	9	17.7	13.52	16.34	− 2	49.56	1.33	+9	52	83
10	− 6	+ 9	16.3	+13.66	+16.30	−10	49.53	−1.35	+8	52	83
11	−11	9	14.8	13.79	16.26	−18	49.49	1.37	+6	53	83
12	−13	9	13.0	13.93	16.23	−21	49.43	1.39	+2	53	83
13	−12	8	10.9	14.07	16.19	−20	49.36	1.42	−2	53	83
14	− 8	8	8.7	14.20	16.16	−13	49.30	1.44	−6	53	83
15	− 2	9	6.6	14.34	16.13	− 3	49.25	1.46	−9	53	83
16	+ 5	+10	4.6	+14.48	+16.10	+ 9	49.22	−1.48	−9	54	83
17	+12	11	2.9	14.62	16.07	+19	49.21	1.50	−7	54	84
18	+16	11	1.3	14.76	16.04	+27	49.22	1.53	−4	54	84
19	+18	12	23.9	14.89	16.01	+29	49.24	1.55	0	54	84
20	+16	11	22.4	15.03	15.98	+26	49.25	1.58	+5	54	84
21	+12	11	21.0	15.17	15.96	+19	49.26	1.60	+8	55	84
22	+ 6	+10	19.6	+15.31	+15.93	+10	49.24	−1.63	+9	55	84
23	0	8	18.0	15.45	15.91	0	49.21	1.65	+8	55	84
24	− 5	7	16.1	15.58	15.89	− 9	49.17	1.68	+6	55	84
25	− 9	7	13.9	15.72	15.87	−15	49.11	1.70	+3	55	84
26	−11	7	11.9	15.86	15.85	−17	49.05	1.73	0	56	85
27	−11	8	10.2	15.99	15.83	−17	48.99	1.75	−3	56	85
28	− 9	+ 8	8.9	+16.13	+15.81	−14	48.94	−1.78	−6	56	85
29	− 6	9	7.7	16.27	15.80	−10	48.89	1.81	−8	56	85
30	− 2	8	6.6	16.41	15.78	− 3	48.86	1.83	−8	56	85
Mai 1	+ 2	7	5.4	16.55	15.77	+ 3	48.84	1.86	−7	57	85
2	+ 5	6	3.7	16.68	15.76	+ 8	48.84	1.89	−5	57	85
3	+ 7	+ 4	1.0	+16.82	+15.75	+11	48.85	−1.91	−1	57	85

Tag	0h Welt-Zeit								
	Sternzeit Greenw.	t	f	log g	G	log h	H	log i	i
1937	h	s	s		h m		h m		"
Mai 3	14.7	0.3346	+1.992	1.1178	0 33.5	1.2913	15 1.6	0.7810n	−6.040
4	14.8	0.3374	2.000	1.1196	0 33.9	1.2919	14 57.7	0.7743n	5.947
5	14.8	0.3401	2.008	1.1214	0 34.2	1.2926	14 53.8	0.7673n	5.852
6	14.9	0.3429	2.016	1.1233	0 34.5	1.2932	14 50.0	0.7600n	5.755
7	15.0	0.3456	2.024	1.1251	0 34.8	1.2939	14 46.1	0.7526n	5.657
8	15.0	0.3483	2.032	1.1270	0 35.2	1.2945	14 42.3	0.7448n	5.557
9	15.1	0.3511	+2.041	1.1289	0 35.5	1.2951	14 38.4	0.7369n	−5.456
10	15.2	0.3538	2.049	1.1307	0 35.8	1.2957	14 34.6	0.7286n	5.353
11	15.2	0.3565	2.058	1.1326	0 36.1	1.2963	14 30.8	0.7201n	5.249
12	15.3	0.3593	2.066	1.1345	0 36.4	1.2970	14 27.0	0.7112n	5.143
13	15.4	0.3620	2.075	1.1364	0 36.7	1.2976	14 23.3	0.7021n	5.036
14	15.4	0.3648	2.084	1.1384	0 36.9	1.2981	14 19.5	0.6927n	4.928
15	15.5	0.3675	+2.092	1.1403	0 37.2	1.2987	14 15.7	0.6829n	−4.818
16	15.6	0.3702	2.101	1.1422	0 37.5	1.2993	14 12.0	0.6727n	4.707
17	15.6	0.3730	2.110	1.1441	0 37.7	1.2999	14 8.3	0.6623n	4.595
18	15.7	0.3757	2.119	1.1461	0 38.0	1.3005	14 4.6	0.6514n	4.481
19	15.7	0.3784	2.129	1.1480	0 38.2	1.3010	14 0.9	0.6401n	4.366
20	15.8	0.3812	2.138	1.1500	0 38.5	1.3015	13 57.2	0.6284n	4.250
21	15.9	0.3839	+2.147	1.1520	0 38.7	1.3021	13 53.5	0.6162n	−4.132
22	15.9	0.3867	2.157	1.1539	0 38.9	1.3027	13 49.8	0.6035n	4.013
23	16.0	0.3894	2.166	1.1559	0 39.1	1.3031	13 46.1	0.5904n	3.894
24	16.1	0.3921	2.175	1.1579	0 39.3	1.3036	13 42.5	0.5768n	3.774
25	16.1	0.3949	2.185	1.1598	0 39.5	1.3041	13 38.8	0.5625n	3.652
26	16.2	0.3976	2.195	1.1618	0 39.7	1.3046	13 35.2	0.5477n	3.529
27	16.3	0.4004	+2.204	1.1638	0 39.9	1.3050	13 31.6	0.5322n	−3.406
28	16.3	0.4031	2.214	1.1658	0 40.1	1.3055	13 28.0	0.5161n	3.282
29	16.4	0.4058	2.224	1.1678	0 40.2	1.3059	13 24.3	0.4993n	3.157
30	16.5	0.4086	2.234	1.1698	0 40.4	1.3063	13 20.7	0.4814n	3.030
31	16.5	0.4113	2.244	1.1717	0 40.5	1.3067	13 17.2	0.4628n	2.903
Juni 1	16.6	0.4140	2.254	1.1737	0 40.6	1.3071	13 13.6	0.4434n	2.776
2	16.7	0.4168	+2.264	1.1757	0 40.8	1.3074	13 10.0	0.4228n	−2.647
3	16.7	0.4195	2.274	1.1777	0 40.9	1.3078	13 6.4	0.4011n	2.518
4	16.8	0.4223	2.284	1.1796	0 41.0	1.3081	13 2.9	0.3782n	2.389
5	16.9	0.4250	2.294	1.1816	0 41.1	1.3085	12 59.3	0.3539n	2.259
6	16.9	0.4277	2.305	1.1836	0 41.2	1.3088	12 55.7	0.3278n	2.127
7	17.0	0.4305	2.315	1.1855	0 41.2	1.3090	12 52.2	0.2999n	1.995
8	17.1	0.4332	+2.325	1.1875	0 41.3	1.3093	12 48.7	0.2702n	−1.863
9	17.1	0.4359	2.336	1.1894	0 41.4	1.3096	12 45.1	0.2383n	1.731
10	17.2	0.4387	2.346	1.1914	0 41.4	1.3098	12 41.6	0.2036n	1.598
11	17.3	0.4414	2.356	1.1933	0 41.4	1.3100	12 38.1	0.1655n	1.464
12	17.3	0.4442	2.367	1.1953	0 41.5	1.3102	12 34.5	0.1242n	1.331
13	17.4	0.4469	+2.377	1.1972	0 41.5	1.3104	12 31.0	0.0781n	−1.197

Tag	0h Welt-Zeit										
	f'	g'	G'	Allgemeine Präzession seit 1937.0	$\Delta\psi$	$\Delta\psi'$	Wahre Schiefe	$\Delta\varepsilon$	$\Delta\varepsilon'$	j	k
1937	in 0.001 s	in 0.01"	h	"	"	in 0.01"	23° 26' "	"	in 0.01"	in 0.001	
Mai 3	+ 7	+ 4	1.0	+16.82	+15.75	+11	48.85	−1.91	−1	57	85
4	+ 6	5	21.7	16.96	15.74	+10	48.86	1.94	+3	57	86
5	+ 4	7	19.5	17.10	15.74	+ 7	48.86	1.97	+6	58	86
6	0	8	17.9	17.24	15.73	− 1	48.86	1.99	+8	58	86
7	− 6	9	16.5	17.37	15.73	− 9	48.83	2.02	+9	58	86
8	−10	10	15.1	17.51	15.72	−17	48.79	2.05	+7	58	86
9	−13	+10	13.6	+17.65	+15.72	−22	48.73	−2.07	+4	59	86
10	−14	9	11.7	17.78	15.72	−23	48.65	2.10	−1	59	86
11	−11	9	9.6	17.92	15.72	−18	48.58	2.13	−5	59	86
12	− 5	9	7.5	18.06	15.73	− 8	48.52	2.15	−8	59	86
13	+ 2	10	5.4	18.20	15.73	+ 4	48.48	2.18	−9	60	87
14	+ 9	10	3.6	18.34	15.74	+15	48.47	2.21	−8	60	87
15	+15	+11	1.9	+18.47	+15.74	+25	48.47	−2.23	−5	60	87
16	+18	12	0.3	18.61	15.75	+29	48.48	2.26	−1	60	87
17	+17	12	22.9	18.75	15.76	+28	48.50	2.28	+3	61	87
18	+14	11	21.5	18.88	15.77	+23	48.51	2.31	+7	61	87
19	+ 9	10	20.2	19.02	15.79	+14	48.50	2.33	+9	61	87
20	+ 3	9	18.7	19.16	15.80	+ 4	48.47	2.36	+9	62	87
21	− 3	+ 7	16.9	+19.30	+15.81	− 5	48.43	−2.38	+7	62	87
22	− 7	6	14.8	19.44	15.83	−12	48.38	2.41	+4	62	88
23	−10	6	12.4	19.57	15.85	−16	48.32	2.43	+1	62	88
24	−10	7	10.6	19.71	15.86	−17	48.26	2.46	−3	63	88
25	− 9	8	9.1	19.85	15.88	−14	48.21	2.48	−5	63	88
26	− 6	8	7.9	19.99	15.90	−10	48.17	2.50	−7	63	88
27	− 2	+ 8	6.8	+20.13	+15.92	− 4	48.14	−2.52	−8	64	88
28	+ 1	7	5.5	20.26	15.95	+ 2	48.12	2.55	−7	64	88
29	+ 5	6	4.0	20.40	15.97	+ 8	48.11	2.57	−5	64	88
30	+ 7	5	1.8	20.54	16.00	+11	48.12	2.59	−2	64	88
31	+ 7	5	22.9	20.67	16.02	+11	48.14	2.61	+1	65	88
Juni 1	+ 5	6	20.2	20.81	16.05	+ 8	48.15	2.63	+5	65	88
2	+ 1	+ 8	18.4	+20.95	+16.07	+ 2	48.16	−2.65	+8	65	89
3	− 4	9	16.8	21.09	16.10	− 7	48.15	2.67	+9	66	89
4	−10	10	15.4	21.23	16.13	−16	48.12	2.69	+8	66	89
5	−14	10	13.9	21.36	16.16	−22	48.07	2.71	+5	66	89
6	−15	10	12.3	21.50	16.19	−25	48.01	2.73	+1	67	89
7	−13	10	10.5	21.64	16.22	−22	47.95	2.74	−4	67	89
8	− 9	+ 9	8.5	+21.77	+16.25	−14	47.89	−2.76	−7	67	89
9	− 2	9	6.5	21.91	16.28	− 3	47.86	2.78	−9	67	89
10	+ 6	10	4.4	22.05	16.31	+10	47.84	2.79	−9	68	89
11	+13	10	2.5	22.19	16.35	+21	47.85	2.81	−6	68	89
12	+17	11	0.9	22.33	16.38	+27	47.87	2.82	−3	68	89
13	+17	+11	23.4	+22.46	+16.42	+28	47.90	−2.83	+2	69	89

Tag	0h Welt-Zeit								
	Sternzeit Greenw.	t	f	log g	G	log h	H	log i	i
1937	h	s	s		h m		h m		"
Juni 13	17.4	0.4469	+2.377	1.1972	0 41.5	1.3104	12 31.0	0.0781n	−1.197
14	17.5	0.4496	2.388	1.1992	0 41.5	1.3105	12 27.5	0.0261n	1.062
15	17.5	0.4524	2.398	1.2010	0 41.5	1.3107	12 24.0	9.9671n	0.927
16	17.6	0.4551	2.409	1.2030	0 41.5	1.3108	12 20.5	9.8987n	0.792
17	17.7	0.4578	2.419	1.2049	0 41.5	1.3109	12 17.0	9.8176n	0.657
18	17.7	0.4606	2.430	1.2067	0 41.5	1.3110	12 13.5	9.7177n	0.522
19	17.8	0.4633	+2.441	1.2086	0 41.5	1.3110	12 10.0	9.5877n	−0.387
20	17.9	0.4661	2.451	1.2105	0 41.4	1.3111	12 6.5	9.3997n	0.251
21	17.9	0.4688	2.462	1.2123	0 41.4	1.3111	12 3.0	9.0607n	−0.115
22	18.0	0.4715	2.472	1.2142	0 41.3	1.3111	11 59.5	8.3222	+0.021
23	18.0	0.4743	2.483	1.2160	0 41.3	1.3111	11 56.0	9.1959	0.157
24	18.1	0.4770	2.494	1.2179	0 41.2	1.3111	11 52.5	9.4654	0.292
25	18.2	0.4798	+2.504	1.2197	0 41.1	1.3110	11 49.0	9.6304	+0.427
26	18.2	0.4825	2.515	1.2215	0 41.0	1.3109	11 45.5	9.7497	0.562
27	18.3	0.4852	2.525	1.2233	0 40.9	1.3109	11 42.0	9.8432	0.697
28	18.4	0.4880	2.536	1.2251	0 40.8	1.3107	11 38.4	9.9201	0.832
29	18.4	0.4907	2.546	1.2268	0 40.7	1.3106	11 34.9	9.9854	0.967
30	18.5	0.4934	2.557	1.2286	0 40.6	1.3105	11 31.4	0.0422	1.102
Juli 1	18.6	0.4962	+2.567	1.2303	0 40.5	1.3103	11 27.9	0.0920	+1.236
2	18.6	0.4989	2.578	1.2320	0 40.4	1.3101	11 24.4	0.1367	1.370
3	18.7	0.5017	2.588	1.2337	0 40.2	1.3099	11 20.9	0.1770	1.503
4	18.8	0.5044	2.599	1.2354	0 40.1	1.3097	11 17.4	0.2138	1.636
5	18.8	0.5071	2.609	1.2371	0 40.0	1.3095	11 13.9	0.2477	1.769
6	18.9	0.5099	2.619	1.2388	0 39.8	1.3092	11 10.3	0.2790	1.901
7	19.0	0.5126	+2.630	1.2404	0 39.7	1.3090	11 6.8	0.3079	+2.032
8	19.0	0.5153	2.640	1.2421	0 39.5	1.3087	11 3.3	0.3351	2.163
9	19.1	0.5181	2.650	1.2437	0 39.3	1.3084	10 59.7	0.3606	2.294
10	19.2	0.5208	2.660	1.2453	0 39.2	1.3081	10 56.2	0.3845	2.424
11	19.2	0.5236	2.670	1.2469	0 39.0	1.3077	10 52.6	0.4071	2.553
12	19.3	0.5263	2.680	1.2485	0 38.8	1.3074	10 49.1	0.4283	2.681
13	19.4	0.5290	+2.690	1.2501	0 38.7	1.3070	10 45.5	0.4486	+2.809
14	19.4	0.5318	2.700	1.2516	0 38.5	1.3066	10 41.9	0.4676	2.935
15	19.5	0.5345	2.710	1.2531	0 38.3	1.3062	10 38.3	0.4859	3.061
16	19.6	0.5372	2.720	1.2546	0 38.1	1.3058	10 34.8	0.5034	3.187
17	19.6	0.5400	2.730	1.2561	0 37.9	1.3054	10 31.2	0.5200	3.311
18	19.7	0.5427	2.740	1.2576	0 37.7	1.3049	10 27.6	0.5359	3.435
19	19.8	0.5455	+2.749	1.2591	0 37.5	1.3045	10 24.0	0.5511	+3.557
20	19.8	0.5482	2.759	1.2605	0 37.3	1.3040	10 20.4	0.5657	3.679
21	19.9	0.5509	2.768	1.2619	0 37.1	1.3035	10 16.7	0.5797	3.799
22	20.0	0.5537	2.778	1.2634	0 36.9	1.3030	10 13.1	0.5932	3.919
23	20.0	0.5564	2.787	1.2648	0 36.7	1.3025	10 9.5	0.6062	4.038
24	20.1	0.5592	+2.796	1.2662	0 36.5	1.3020	10 5.8	0.6186	+4.155

Tag	0h Welt-Zeit										
	f'	g'	G'	Allgemeine Präzession seit 1937.0	$\Delta\psi$	$\Delta\psi'$	Wahre Schiefe	$\Delta\varepsilon$	$\Delta\varepsilon'$	j	k
1937	in 0.s001	in 0."01	h	"	"	in 0."01	23° 26' "	"	in 0."01	in 0.001	
Juni 13	+17	+11	23.4	+22.46	+16.42	+28	47.90	−2.83	+2	69	89
14	+15	11	22.0	22.60	16.45	+25	47.93	2.85	+6	69	89
15	+11	11	20.7	22.74	16.49	+17	47.94	2.86	+8	69	89
16	+ 5	9	19.3	22.88	16.52	+ 8	47.93	2.87	+9	70	89
17	− 1	8	17.7	23.01	16.56	− 2	47.90	2.89	+8	70	89
18	− 6	6	15.6	23.15	16.59	− 9	47.87	2.90	+5	70	89
19	− 9	+ 6	13.2	+23.29	+16.63	−14	47.82	−2.91	+2	70	89
20	−10	6	11.0	23.43	16.66	−16	47.77	2.92	−2	71	89
21	− 9	7	9.4	23.56	16.70	−14	47.73	2.93	−5	71	89
22	− 6	8	8.0	23.70	16.73	−10	47.70	2.94	−7	71	89
23	− 3	8	6.9	23.84	16.77	− 5	47.68	2.94	−8	72	89
24	+ 1	8	5.7	23.98	16.80	+ 1	47.68	2.95	−8	72	89
25	+ 5	+ 7	4.3	+24.12	+16.84	+ 7	47.68	−2.96	−6	72	89
26	+ 7	6	2.4	24.25	16.87	+11	47.70	2.96	−3	73	89
27	+ 8	5	23.9	24.39	16.91	+13	47.73	2.97	0	73	89
28	+ 7	6	21.2	24.53	16.94	+11	47.76	2.98	+4	73	89
29	+ 3	7	19.1	24.66	16.98	+ 5	47.78	2.98	+7	74	89
30	− 2	9	17.5	24.80	17.01	− 3	47.80	2.98	+9	74	89
Juli 1	− 7	+10	16.0	+24.94	+17.05	−12	47.79	−2.99	+8	74	89
2	−12	10	14.5	25.08	17.08	−20	47.76	2.99	+6	74	89
3	−15	10	12.8	25.22	17.11	−25	47.72	2.99	+2	75	89
4	−15	10	11.1	25.35	17.14	−24	47.67	2.99	−2	75	89
5	−11	10	9.3	25.49	17.18	−18	47.63	2.99	−6	75	89
6	− 5	9	7.4	25.63	17.21	− 8	47.60	3.00	−9	76	89
7	+ 2	+ 9	5.3	+25.77	+17.24	+ 4	47.60	−3.00	−9	76	89
8	+ 9	9	3.3	25.90	17.27	+15	47.62	3.00	−7	76	89
9	+14	10	1.5	26.04	17.30	+24	47.65	2.99	−4	76	89
10	+16	11	23.8	26.18	17.33	+27	47.69	2.99	0	77	89
11	+15	11	22.3	26.32	17.35	+25	47.74	2.99	+5	77	89
12	+11	11	21.0	26.45	17.38	+19	47.77	2.99	+8	77	89
13	+ 6	+10	19.7	+26.59	+17.41	+10	47.78	−2.99	+9	78	88
14	+ 1	8	18.1	26.73	17.43	+ 1	47.78	2.98	+8	78	88
15	− 4	7	16.3	26.87	17.46	− 7	47.76	2.98	+6	78	88
16	− 8	6	14.0	27.00	17.48	−13	47.73	2.97	+3	78	88
17	− 9	6	11.7	27.14	17.50	−15	47.70	2.97	0	79	88
18	− 9	7	9.8	27.28	17.52	−14	47.67	2.96	−4	79	88
19	− 7	+ 8	8.4	+27.42	+17.54	−11	47.65	−2.96	−6	79	88
20	− 4	8	7.2	27.56	17.56	− 6	47.64	2.95	−8	79	88
21	0	8	6.0	27.69	17.58	0	47.64	2.95	−8	80	88
22	+ 4	7	4.6	27.83	17.60	+ 6	47.66	2.94	−7	80	88
23	+ 7	6	2.9	27.97	17.61	+11	47.69	2.93	−4	80	88
24	+ 8	+ 6	0.7	+28.11	+17.63	+14	47.73	−2.92	−1	80	87

Tag	0h Welt-Zeit								
	Stern-zeit Greenw.	t	f	log g	G	log h	H	log i	i
1937	h	s	s		h m		h m		"
Juli 24	20.1	0.5592	+2.796	1.2662	0 36.5	1.3020	10 5.8	0.6186	+4.155
25	20.2	0.5619	2.806	1.2675	0 36.2	1.3014	10 2.1	0.6305	4.271
26	20.2	0.5646	2.815	1.2689	0 36.0	1.3009	9 58.5	0.6421	4.386
27	20.3	0.5674	2.824	1.2702	0 35.8	1.3004	9 54.8	0.6531	4.499
28	20.3	0.5701	2.833	1.2715	0 35.6	1.2998	9 51.1	0.6639	4.612
29	20.4	0.5728	2.842	1.2728	0 35.4	1.2992	9 47.4	0.6743	4.724
30	20.5	0.5756	+2.851	1.2741	0 35.2	1.2986	9 43.7	0.6843	+4.834
31	20.5	0.5783	2.860	1.2754	0 35.0	1.2981	9 40.0	0.6939	4.942
Aug. 1	20.6	0.5811	2.868	1.2767	0 34.7	1.2975	9 36.2	0.7033	5.050
2	20.7	0.5838	2.877	1.2779	0 34.5	1.2969	9 32.5	0.7123	5.156
3	20.7	0.5865	2.885	1.2791	0 34.3	1.2963	9 28.7	0.7210	5.260
4	20.8	0.5893	2.894	1.2803	0 34.1	1.2957	9 25.0	0.7294	5.363
5	20.9	0.5920	+2.902	1.2815	0 33.9	1.2951	9 21.2	0.7376	+5.465
6	20.9	0.5947	2.910	1.2827	0 33.7	1.2944	9 17.4	0.7455	5.565
7	21.0	0.5975	2.918	1.2839	0 33.5	1.2938	9 13.6	0.7531	5.664
8	21.1	0.6002	2.927	1.2850	0 33.2	1.2932	9 9.8	0.7606	5.762
9	21.1	0.6030	2.935	1.2861	0 33.0	1.2926	9 6.0	0.7677	5.857
10	21.2	0.6057	2.942	1.2873	0 32.8	1.2919	9 2.1	0.7746	5.951
11	21.3	0.6084	+2.950	1.2884	0 32.6	1.2913	8 58.3	0.7813	+6.043
12	21.3	0.6112	2.958	1.2895	0 32.4	1.2907	8 54.4	0.7877	6.134
13	21.4	0.6139	2.966	1.2905	0 32.2	1.2900	8 50.5	0.7940	6.223
14	21.5	0.6166	2.973	1.2916	0 32.0	1.2894	8 46.6	0.8000	6.310
15	21.5	0.6194	2.981	1.2926	0 31.9	1.2888	8 42.7	0.8059	6.396
16	21.6	0.6221	2.988	1.2936	0 31.7	1.2882	8 38.8	0.8115	6.479
17	21.7	0.6249	+2.996	1.2946	0 31.5	1.2876	8 34.9	0.8170	+6.561
18	21.7	0.6276	3.003	1.2957	0 31.3	1.2870	8 31.0	0.8222	6.641
19	21.8	0.6303	3.010	1.2966	0 31.1	1.2864	8 27.0	0.8273	6.719
20	21.9	0.6331	3.017	1.2976	0 30.9	1.2858	8 23.0	0.8323	6.796
21	21.9	0.6358	3.024	1.2986	0 30.8	1.2852	8 19.1	0.8370	6.870
22	22.0	0.6386	3.031	1.2995	0 30.6	1.2846	8 15.1	0.8415	6.943
23	22.1	0.6413	+3.038	1.3005	0 30.4	1.2840	8 11.1	0.8460	+7.014
24	22.1	0.6440	3.045	1.3014	0 30.3	1.2834	8 7.1	0.8502	7.082
25	22.2	0.6468	3.051	1.3023	0 30.1	1.2829	8 3.0	0.8542	7.149
26	22.3	0.6495	3.058	1.3032	0 30.0	1.2823	7 59.0	0.8582	7.214
27	22.3	0.6522	3.064	1.3041	0 29.9	1.2818	7 54.9	0.8620	7.277
28	22.4	0.6550	3.071	1.3050	0 29.7	1.2812	7 50.9	0.8655	7.337
29	22.5	0.6577	+3.077	1.3059	0 29.6	1.2807	7 46.8	0.8690	+7.396
30	22.5	0.6605	3.084	1.3067	0 29.4	1.2802	7 42.7	0.8723	7.453
31	22.6	0.6632	3.090	1.3076	0 29.3	1.2797	7 38.6	0.8755	7.507
Sept. 1	22.6	0.6659	3.096	1.3084	0 29.2	1.2793	7 34.5	0.8785	7.559
2	22.7	0.6687	3.102	1.3092	0 29.1	1.2788	7 30.4	0.8813	7.609
3	22.8	0.6714	+3.108	1.3101	0 29.0	1.2784	7 26.3	0.8841	+7.657

Tag	f'	g'	G'	Allgemeine Präzession seit 1937.0	$\Delta\psi$	$\Delta\psi'$	Wahre Schiefe	$\Delta\varepsilon$	$\Delta\varepsilon'$	j	k
	0ʰ Welt-Zeit										
1937	s in 0.001	" in 0.01	h	"	"	" in 0.01	23° 26' "	"	" in 0.01	in 0.001	
Juli 24	+ 8	+ 6	0.7	+28.11	+17.63	+14	47.73	−2.92	−1	80	87
25	+ 8	6	22.1	28.24	17.64	+13	47.77	2.92	+3	81	87
26	+ 5	7	20.0	28.38	17.65	+ 9	47.81	2.91	+6	81	87
27	+ 1	8	18.2	28.52	17.66	+ 1	47.84	2.90	+8	81	87
28	− 5	9	16.7	28.66	17.67	− 8	47.85	2.89	+9	82	87
29	−10	10	15.1	28.79	17.68	−16	47.85	2.88	+7	82	87
30	−14	+10	13.5	+28.93	+17.69	−22	47.82	−2.87	+4	82	87
31	−15	10	11.8	29.07	17.70	−24	47.79	2.86	−1	82	87
Aug. 1	−12	9	9.9	29.21	17.70	−20	47.75	2.85	−5	82	87
2	− 7	9	8.1	29.34	17.70	−12	47.73	2.85	−8	83	86
3	0	9	6.1	29.48	17.71	− 1	47.72	2.84	−9	83	86
4	+ 7	9	4.1	29.62	17.71	+11	47.74	2.83	−8	83	86
5	+12	+10	2.2	+29.76	+17.70	+20	47.78	−2.82	−5	83	86
6	+15	10	0.3	29.89	17.70	+25	47.83	2.81	−1	84	86
7	+15	10	22.8	30.03	17.70	+25	47.88	2.80	+3	84	86
8	+12	10	21.3	30.17	17.69	+20	47.93	2.79	+7	84	86
9	+ 7	10	20.0	30.31	17.69	+12	47.95	2.78	+9	84	86
10	+ 2	9	18.5	30.45	17.68	+ 3	47.96	2.77	+9	85	85
11	− 3	+ 7	16.7	+30.58	+17.67	− 6	47.95	−2.76	+7	85	85
12	− 7	6	14.6	30.72	17.66	−12	47.93	2.75	+4	85	85
13	− 9	6	12.3	30.86	17.65	−15	47.91	2.74	0	85	85
14	− 9	7	10.3	30.99	17.63	−15	47.88	2.73	−3	85	85
15	− 8	7	8.8	31.13	17.62	−13	47.86	2.72	−6	86	85
16	− 5	8	7.5	31.27	17.60	− 8	47.85	2.71	−7	86	85
17	− 1	+ 8	6.4	+31.41	+17.58	− 2	47.86	−2.70	−8	86	85
18	+ 2	7	5.1	31.55	17.56	+ 4	47.88	2.69	−7	86	85
19	+ 6	6	3.5	31.68	17.54	+ 9	47.90	2.68	−5	86	84
20	+ 8	6	1.5	31.82	17.52	+13	47.94	2.67	−2	87	84
21	+ 8	6	22.9	31.96	17.50	+14	47.98	2.66	+2	87	84
22	+ 6	7	20.7	32.10	17.47	+11	48.02	2.65	+5	87	84
23	+ 3	+ 8	18.9	+32.23	+17.45	+ 4	48.06	−2.64	+7	87	84
24	− 2	9	17.3	32.37	17.42	− 4	48.07	2.64	+8	87	84
25	− 8	9	15.8	32.51	17.39	−12	48.07	2.63	+8	87	84
26	−12	9	14.2	32.65	17.36	−19	48.05	2.62	+5	88	84
27	−14	9	12.4	32.78	17.33	−22	48.02	2.62	+1	88	84
28	−13	9	10.5	32.92	17.30	−21	47.98	2.61	−3	88	83
29	− 8	+ 9	8.5	+33.06	+17.27	−14	47.95	−2.60	−7	88	83
30	− 2	9	6.6	33.20	17.23	− 3	47.93	2.60	−9	88	83
31	+ 5	9	4.7	33.34	17.20	+ 8	47.94	2.59	−9	89	83
Sept. 1	+11	10	2.8	33.47	17.16	+18	47.97	2.58	−6	89	83
2	+15	10	1.0	33.61	17.13	+24	48.01	2.58	−2	89	83
3	+15	+10	23.3	+33.75	+17.09	+25	48.06	−2.58	+2	89	83

Tag	0ʰ Welt-Zeit								
	Stern-zeit Greenw.	t	f	log g	G	log h	H	log i	i
1937	h	a	s		h m		h m		"
Sept. 3	22.8	0.6714	+3.108	1.3101	0 29.0	1.2784	7 26.3	0.8841	+7.657
4	22.8	0.6741	3.114	1.3109	0 28.9	1.2779	7 22.1	0.8867	7.703
5	22.9	0.6769	3.120	1.3117	0 28.8	1.2775	7 18.0	0.8891	7.747
6	23.0	0.6796	3.126	1.3125	0 28.7	1.2772	7 13.8	0.8915	7.789
7	23.0	0.6824	3.132	1.3133	0 28.6	1.2768	7 9.7	0.8937	7.828
8	23.1	0.6851	3.138	1.3141	0 28.6	1.2764	7 5.5	0.8957	7.865
9	23.2	0.6878	+3.144	1.3149	0 28.5	1.2761	7 1.3	0.8976	+7.899
10	23.2	0.6906	3.149	1.3157	0 28.4	1.2758	6 57.1	0.8994	7.932
11	23.3	0.6933	3.155	1.3165	0 28.4	1.2755	6 52.9	0.9011	7.963
12	23.4	0.6960	3.161	1.3172	0 28.4	1.2752	6 48.7	0.9026	7.991
13	23.4	0.6988	3.166	1.3180	0 28.3	1.2750	6 44.5	0.9040	8.016
14	23.5	0.7015	3.172	1.3187	0 28.3	1.2747	6 40.3	0.9053	8.040
15	23.6	0.7043	+3.177	1.3195	0 28.3	1.2745	6 36.0	0.9064	+8.061
16	23.6	0.7070	3.183	1.3202	0 28.2	1.2743	6 31.8	0.9074	8.080
17	23.7	0.7097	3.188	1.3210	0 28.2	1.2742	6 27.5	0.9083	8.096
18	23.8	0.7125	3.194	1.3217	0 28.2	1.2740	6 23.3	0.9090	8.110
19	23.8	0.7152	3.199	1.3225	0 28.2	1.2739	6 19.0	0.9096	8.121
20	23.9	0.7179	3.205	1.3232	0 28.2	1.2738	6 14.8	0.9101	8.131
21	0.0	0.7207	+3.210	1.3240	0 28.2	1.2737	6 10.5	0.9105	+8.138
22	0.0	0.7234	3.216	1.3247	0 28.3	1.2737	6 6.3	0.9108	8.143
23	0.1	0.7262	3.221	1.3255	0 28.3	1.2737	6 2.0	0.9109	8.145
24	0.2	0.7289	3.226	1.3262	0 28.3	1.2737	5 57.7	0.9109	8.146
25	0.2	0.7316	3.232	1.3269	0 28.4	1.2737	5 53.4	0.9108	8.143
26	0.3	0.7344	3.237	1.3276	0 28.4	1.2737	5 49.2	0.9105	8.137
27	0.4	0.7371	+3.242	1.3284	0 28.5	1.2738	5 44.9	0.9101	+8.130
28	0.4	0.7399	3.248	1.3291	0 28.5	1.2739	5 40.6	0.9096	8.121
29	0.5	0.7426	3.254	1.3298	0 28.6	1.2740	5 36.3	0.9090	8.109
30	0.6	0.7453	3.259	1.3306	0 28.7	1.2742	5 32.1	0.9082	8.095
Okt. 1	0.6	0.7481	3.264	1.3313	0 28.8	1.2744	5 27.8	0.9073	8.078
2	0.7	0.7508	3.270	1.3321	0 28.9	1.2746	5 23.5	0.9063	8.059
3	0.8	0.7535	+3.275	1.3329	0 29.0	1.2748	5 19.2	0.9051	+8.037
4	0.8	0.7563	3.281	1.3336	0 29.1	1.2750	5 15.0	0.9038	8.013
5	0.9	0.7590	3.286	1.3344	0 29.2	1.2752	5 10.7	0.9024	7.987
6	0.9	0.7618	3.292	1.3352	0 29.3	1.2755	5 6.4	0.9008	7.958
7	1.0	0.7645	3.298	1.3360	0 29.4	1.2758	5 2.2	0.8991	7.927
8	1.1	0.7672	3.303	1.3367	0 29.5	1.2762	4 57.9	0.8973	7.894
9	1.1	0.7700	+3.309	1.3375	0 29.7	1.2765	4 53.7	0.8953	+7.858
10	1.2	0.7727	3.315	1.3383	0 29.8	1.2769	4 49.4	0.8932	7.819
11	1.3	0.7754	3.321	1.3391	0 29.9	1.2772	4 45.2	0.8909	7.779
12	1.3	0.7782	3.327	1.3399	0 30.1	1.2776	4 40.9	0.8885	7.736
13	1.4	0.7809	3.333	1.3407	0 30.2	1.2781	4 36.7	0.8859	7.690
14	1.5	0.7837	+3.339	1.3415	0 30.4	1.2785	4 32.5	0.8833	+7.643

Tag	0h Welt-Zeit										
	f'	g'	G'	Allgemeine Präzession seit 1937.0	$\Delta\psi$	$\Delta\psi'$	Wahre Schiefe	$\Delta\varepsilon$	$\Delta\varepsilon'$	j	k
1937	in 0.001 s	in 0.01 "	h	"	"	in 0.01 "	23° 26' "	"	in 0.01 "	in 0.001	
Sept. 3	+15	+10	23.3	+33.75	+17.09	+25	48.06	−2.58	+2	89	83
4	+13	10	21.7	33.88	17.05	+21	48.10	2.57	+6	89	83
5	+ 9	10	20.3	34.02	17.01	+14	48.12	2.57	+8	89	83
6	+ 3	9	18.8	34.16	16.97	+ 5	48.13	2.57	+9	90	83
7	− 2	8	17.2	34.30	16.93	− 4	48.12	2.56	+8	90	82
8	− 7	7	15.2	34.44	16.88	−11	48.09	2.56	+5	90	82
9	− 9	+ 6	12.9	+34.57	+16.84	−15	48.06	−2.56	+2	90	82
10	−10	7	10.9	34.71	16.80	−16	48.02	2.56	−2	90	82
11	− 9	7	9.2	34.85	16.75	−14	47.99	2.56	−5	90	82
12	− 6	8	8.0	34.98	16.71	−10	47.97	2.56	−7	91	82
13	− 3	8	6.8	35.12	16.66	− 4	47.96	2.56	−8	91	82
14	+ 1	7	5.6	35.26	16.61	+ 2	47.96	2.56	−7	91	82
15	+ 4	+ 6	4.2	+35.40	+16.57	+ 7	47.97	−2.57	−6	91	82
16	+ 7	5	2.3	35.54	16.52	+11	48.00	2.57	−3	91	82
17	+ 8	5	23.7	35.67	16.47	+13	48.03	2.57	0	91	82
18	+ 7	6	21.2	35.81	16.42	+11	48.06	2.58	+4	92	82
19	+ 4	7	19.2	35.95	16.37	+ 6	48.08	2.58	+7	92	82
20	− 1	8	17.7	36.09	16.33	− 2	48.09	2.59	+8	92	82
21	− 6	+ 9	16.3	+36.23	+16.28	−10	48.08	−2.59	+8	92	82
22	−10	9	14.8	36.36	16.23	−17	48.05	2.60	+6	92	82
23	−13	9	13.0	36.50	16.18	−21	48.00	2.61	+2	92	82
24	−13	8	11.1	36.64	16.13	−21	47.95	2.61	−2	93	82
25	− 9	9	9.0	36.77	16.08	−15	47.90	2.62	−6	93	82
26	− 4	9	7.1	36.91	16.03	− 6	47.87	2.63	−9	93	82
27	+ 3	+ 9	5.1	+37.05	+15.98	+ 5	47.85	−2.64	−9	93	82
28	+10	10	3.3	37.19	15.93	+16	47.86	2.65	−7	93	82
29	+14	10	1.5	37.33	15.88	+23	47.88	2.66	−4	93	82
30	+16	10	23.8	37.46	15.83	+26	47.91	2.67	0	93	82
Okt. 1	+14	11	22.2	37.60	15.79	+24	47.94	2.69	+5	94	82
2	+10	10	20.8	37.74	15.74	+17	47.95	2.70	+8	94	82
3	+ 5	+ 9	19.3	+37.87	+15.69	+ 8	47.95	−2.71	+9	94	82
4	− 1	8	17.8	38.01	15.64	− 1	47.93	2.73	+8	94	82
5	− 6	7	15.9	38.15	15.60	− 9	47.89	2.74	+6	94	82
6	− 9	6	13.6	38.29	15.55	−14	47.84	2.76	+3	94	82
7	−10	6	11.5	38.43	15.51	−16	47.78	2.77	−1	95	82
8	− 9	7	9.7	38.56	15.46	−15	47.73	2.79	−4	95	82
9	− 7	+ 8	8.3	+38.70	+15.42	−11	47.68	−2.81	−7	95	82
10	− 4	8	7.2	38.84	15.37	− 6	47.66	2.83	−8	95	83
11	0	8	6.0	38.98	15.33	0	47.64	2.84	−8	95	83
12	+ 3	7	4.8	39.12	15.29	+ 5	47.64	2.86	−6	95	83
13	+ 6	5	3.0	39.25	15.25	+ 9	47.64	2.88	−4	96	83
14	+ 7	+ 5	0.6	+39.39	+15.21	+11	47.65	−2.90	−1	96	83

Tag	0h Welt-Zeit								
	Sternzeit Greenw.	t	f	log g	G	log h	H	log i	i
1937	h	s	s		h m		h m		"
Okt. 14	1.5	0.7837	+3.339	1.3415	0 30.4	1.2785	4 32.5	0.8833	+7.643
15	1.5	0.7864	3.345	1.3423	0 30.6	1.2790	4 28.2	0.8804	7.593
16	1.6	0.7891	3.351	1.3432	0 30.7	1.2794	4 24.0	0.8774	7.541
17	1.7	0.7919	3.357	1.3440	0 30.9	1.2799	4 19.8	0.8742	7.486
18	1.7	0.7946	3.363	1.3449	0 31.0	1.2804	4 15.6	0.8709	7.429
19	1.8	0.7973	3.369	1.3457	0 31.2	1.2810	4 11.4	0.8675	7.371
20	1.9	0.8001	+3.376	1.3466	0 31.4	1.2815	4 7.2	0.8639	+7.310
21	1.9	0.8028	3.382	1.3475	0 31.6	1.2820	4 3.0	0.8601	7.246
22	2.0	0.8056	3.389	1.3483	0 31.8	1.2826	3 58.9	0.8561	7.180
23	2.1	0.8083	3.395	1.3492	0 31.9	1.2832	3 54.7	0.8520	7.112
24	2.1	0.8110	3.402	1.3502	0 32.1	1.2837	3 50.6	0.8477	7.042
25	2.2	0.8138	3.409	1.3511	0 32.3	1.2843	3 46.4	0.8432	6.970
26	2.3	0.8165	+3.416	1.3520	0 32.5	1.2850	3 42.3	0.8386	+6.896
27	2.3	0.8193	3.423	1.3529	0 32.7	1.2856	3 38.2	0.8337	6.819
28	2.4	0.8220	3.430	1.3539	0 32.9	1.2862	3 34.0	0.8287	6.740
29	2.5	0.8247	3.437	1.3548	0 33.1	1.2868	3 29.9	0.8235	6.660
30	2.5	0.8275	3.444	1.3558	0 33.3	1.2874	3 25.8	0.8180	6.577
31	2.6	0.8302	3.451	1.3568	0 33.5	1.2881	3 21.8	0.8124	6.492
Nov. 1	2.7	0.8329	+3.459	1.3578	0 33.7	1.2887	3 17.7	0.8065	+6.405
2	2.7	0.8357	3.466	1.3588	0 33.9	1.2894	3 13.6	0.8004	6.316
3	2.8	0.8384	3.474	1.3598	0 34.1	1.2900	3 9.6	0.7941	6.225
4	2.9	0.8412	3.482	1.3608	0 34.3	1.2907	3 5.5	0.7877	6.133
5	2.9	0.8439	3.489	1.3618	0 34.5	1.2914	3 1.5	0.7809	6.038
6	3.0	0.8466	3.497	1.3629	0 34.7	1.2920	2 57.5	0.7739	5.941
7	3.1	0.8494	+3.505	1.3639	0 34.9	1.2927	2 53.4	0.7666	+5.843
8	3.1	0.8521	3.513	1.3650	0 35.0	1.2933	2 49.4	0.7591	5.742
9	3.2	0.8548	3.521	1.3660	0 35.2	1.2940	2 45.4	0.7513	5.640
10	3.2	0.8576	3.530	1.3671	0 35.4	1.2946	2 41.4	0.7431	5.535
11	3.3	0.8603	3.538	1.3682	0 35.6	1.2953	2 37.5	0.7347	5.429
12	3.4	0.8631	3.547	1.3693	0 35.8	1.2959	2 33.5	0.7260	5.321
13	3.4	0.8658	+3.555	1.3704	0 36.0	1.2965	2 29.6	0.7170	+5.212
14	3.5	0.8685	3.564	1.3715	0 36.1	1.2972	2 25.6	0.7077	5.102
15	3.6	0.8713	3.573	1.3726	0 36.3	1.2978	2 21.7	0.6981	4.990
16	3.6	0.8740	3.581	1.3737	0 36.5	1.2984	2 17.7	0.6881	4.876
17	3.7	0.8767	3.590	1.3749	0 36.6	1.2990	2 13.8	0.6777	4.761
18	3.8	0.8795	3.599	1.3760	0 36.8	1.2996	2 9.9	0.6668	4.643
19	3.8	0.8822	+3.608	1.3772	0 37.0	1.3002	2 6.0	0.6556	+4.525
20	3.9	0.8850	3.618	1.3783	0 37.1	1.3008	2 2.1	0.6439	4.405
21	4.0	0.8877	3.627	1.3795	0 37.3	1.3014	1 58.3	0.6318	4.284
22	4.0	0.8904	3.636	1.3807	0 37.4	1.3019	1 54.4	0.6192	4.161
23	4.1	0.8932	3.646	1.3819	0 37.6	1.3025	1 50.5	0.6061	4.037
24	4.2	0.8959	+3.655	1.3830	0 37.7	1.3030	1 46.7	0.5923	+3.911

Tag	0h Welt-Zeit										
	f'	g'	G'	Allgemeine Präzession seit 1937.0	$\Delta\psi$	$\Delta\psi'$	Wahre Schiefe	$\Delta\varepsilon$	$\Delta\varepsilon'$	j	k
1937	in 0.s001	in 0."01				in 0."01	23° 26′		in 0."01	in 0.001	
Okt. 14	+ 7	+ 5	0.h6	+39."39	+15."21	+11	47."65	−2."90	−1	96	83
15	+ 6	5	21.8	39.53	15.17	+10	47.66	2.92	+3	96	83
16	+ 4	6	19.5	39.66	15.13	+ 6	47.67	2.94	+6	96	83
17	0	8	17.9	39.80	15.10	0	47.67	2.97	+8	96	83
18	− 5	9	16.5	39.94	15.06	− 9	47.65	2.99	+8	96	83
19	−10	9	15.1	40.08	15.03	−16	47.61	3.01	+7	97	83
20	−13	+ 9	13.6	+40.22	+14.99	−21	47.55	−3.03	+4	97	83
21	−13	9	11.8	40.35	14.96	−22	47.49	3.06	0	97	84
22	−11	9	9.8	40.49	14.93	−18	47.42	3.08	−5	97	84
23	− 6	9	7.7	40.63	14.90	− 9	47.36	3.11	−8	97	84
24	+ 1	9	5.7	40.76	14.87	+ 2	47.33	3.13	−9	98	84
25	+ 8	10	3.8	40.90	14.85	+14	47.31	3.15	−8	98	84
26	+14	+10	2.0	+41.04	+14.82	+23	47.31	−3.18	−5	98	84
27	+17	11	0.4	41.18	14.80	+27	47.33	3.21	−1	98	84
28	+16	11	22.9	41.32	14.77	+26	47.34	3.23	+3	99	84
29	+13	11	21.4	41.45	14.75	+21	47.35	3.26	+7	99	84
30	+ 8	10	20.0	41.59	14.73	+12	47.34	3.28	+9	99	85
31	+ 2	9	18.5	41.73	14.72	+ 3	47.31	3.31	+9	99	85
Nov. 1	− 4	+ 7	16.7	+41.87	+14.70	− 6	47.27	−3.34	+7	99	85
2	− 7	6	14.5	42.01	14.68	−12	47.21	3.36	+4	100	85
3	− 9	6	12.1	42.14	14.67	−15	47.14	3.39	0	100	85
4	− 9	7	10.0	42.28	14.66	−15	47.08	3.42	−3	100	85
5	− 7	7	8.7	42.42	14.65	−12	47.03	3.45	−6	100	85
6	− 4	8	7.4	42.55	14.64	− 7	46.98	3.47	−7	101	85
7	− 1	+ 8	6.3	+42.69	+14.63	− 2	46.95	−3.50	−8	101	86
8	+ 2	7	5.1	42.83	14.63	+ 4	46.93	3.53	−7	101	86
9	+ 5	6	3.7	42.97	14.62	+ 8	46.92	3.56	−5	101	86
10	+ 6	5	1.5	43.11	14.62	+11	46.92	3.58	−2	102	86
11	+ 6	5	22.5	43.24	14.62	+10	46.93	3.61	+2	102	86
12	+ 4	6	20.0	43.38	14.62	+ 7	46.93	3.64	+5	102	86
13	0	+ 7	18.2	+43.52	+14.62	+ 1	46.93	−3.67	+7	102	86
14	− 5	9	16.7	43.66	14.63	− 7	46.91	3.69	+8	103	86
15	− 9	10	15.4	43.80	14.63	−15	46.87	3.72	+7	103	87
16	−13	10	14.0	43.93	14.64	−22	46.82	3.75	+5	103	87
17	−15	10	12.4	44.07	14.65	−24	46.75	3.77	+1	103	87
18	−13	9	10.6	44.21	14.66	−22	46.68	3.80	−3	104	87
19	− 9	+ 9	8.6	+44.34	+14.67	−14	46.62	−3.83	−7	104	87
20	− 2	9	6.5	44.48	14.68	− 3	46.57	3.85	−9	104	87
21	+ 5	9	4.5	44.62	14.70	+ 9	46.54	3.88	−9	105	87
22	+12	10	2.6	44.76	14.72	+20	46.54	3.91	−6	105	87
23	+16	11	0.9	44.90	14.73	+26	46.55	3.93	−2	105	88
24	+17	+11	23.4	+45.03	+14.75	+28	46.57	−3.96	+2	105	88

Tag	0h Welt-Zeit								
	Sternzeit Greenw.	t	f	log g	G	log h	H	log i	i
1937	h	s	s		h m		h m		"
Nov. 24	4.2	0.8959	+3.655	1.3830	0 37.7	1.3030	1 46.7	0.5923	+3.911
25	4.2	0.8987	3.665	1.3842	0 37.8	1.3036	1 42.8	0.5780	3.784
26	4.3	0.9014	3.675	1.3854	0 38.0	1.3041	1 39.0	0.5630	3.656
27	4.4	0.9041	3.685	1.3866	0 38.1	1.3046	1 35.1	0.5475	3.528
28	4.4	0.9069	3.695	1.3878	0 38.2	1.3051	1 31.3	0.5312	3.398
29	4.5	0.9096	3.705	1.3890	0 38.3	1.3055	1 27.5	0.5140	3.266
30	4.6	0.9123	+3.715	1.3902	0 38.4	1.3060	1 23.7	0.4960	+3.133
Dez. 1	4.6	0.9151	3.725	1.3914	0 38.5	1.3064	1 19.9	0.4771	3.000
2	4.7	0.9178	3.735	1.3927	0 38.6	1.3068	1 16.1	0.4571	2.865
3	4.8	0.9206	3.745	1.3939	0 38.7	1.3072	1 12.3	0.4360	2.729
4	4.8	0.9233	3.756	1.3951	0 38.8	1.3076	1 8.5	0.4138	2.593
5	4.9	0.9260	3.766	1.3963	0 38.8	1.3080	1 4.7	0.3902	2.456
6	5.0	0.9288	+3.777	1.3976	0 38.9	1.3083	1 0.9	0.3651	+2.318
7	5.0	0.9315	3.787	1.3988	0 39.0	1.3087	0 57.2	0.3385	2.180
8	5.1	0.9342	3.798	1.4000	0 39.0	1.3090	0 53.4	0.3096	2.040
9	5.2	0.9370	3.808	1.4013	0 39.1	1.3092	0 49.6	0.2788	1.900
10	5.2	0.9397	3.819	1.4025	0 39.1	1.3095	0 45.9	0.2453	1.759
11	5.3	0.9425	3.830	1.4037	0 39.2	1.3098	0 42.1	0.2090	1.618
12	5.4	0.9452	+3.840	1.4049	0 39.2	1.3100	0 38.4	0.1691	+1.476
13	5.4	0.9479	3.851	1.4061	0 39.2	1.3102	0 34.6	0.1248	1.333
14	5.5	0.9507	3.862	1.4074	0 39.2	1.3104	0 30.9	0.0755	1.190
15	5.5	0.9534	3.873	1.4086	0 39.2	1.3105	0 27.1	0.0199	1.047
16	5.6	0.9561	3.884	1.4098	0 39.2	1.3107	0 23.4	9.9562	0.904
17	5.7	0.9589	3.894	1.4110	0 39.2	1.3108	0 19.6	9.8808	0.760
18	5.7	0.9616	+3.905	1.4122	0 39.2	1.3109	0 15.9	9.7896	+0.616
19	5.8	0.9644	3.916	1.4135	0 39.2	1.3110	0 12.2	9.6730	0.471
20	5.9	0.9671	3.927	1.4147	0 39.2	1.3111	0 8.4	9.5132	0.326
21	5.9	0.9698	3.938	1.4159	0 39.2	1.3111	0 4.7	9.2577	0.181
22	6.0	0.9726	3.949	1.4171	0 39.1	1.3111	0 0.9	8.5563	+0.036
23	6.1	0.9753	3.960	1.4183	0 39.1	1.3111	23 57.2	9.0334n	−0.108
24	6.1	0.9781	+3.971	1.4194	0 39.0	1.3111	23 53.5	9.4031n	−0.253
25	6.2	0.9808	3.982	1.4206	0 39.0	1.3110	23 49.7	9.5999n	0.398
26	6.3	0.9835	3.993	1.4218	0 38.9	1.3110	23 46.0	9.7340n	0.542
27	6.3	0.9863	4.004	1.4230	0 38.9	1.3109	23 42.2	9.8363n	0.686
28	6.4	0.9890	4.015	1.4241	0 38.8	1.3108	23 38.5	9.9191n	0.830
29	6.5	0.9917	4.026	1.4253	0 38.7	1.3106	23 34.8	9.9886n	0.974
30	6.5	0.9945	+4.037	1.4264	0 38.7	1.3105	23 31.0	0.0484n	−1.118
31	6.6	0.9972	4.047	1.4276	0 38.6	1.3103	23 27.3	0.1011n	1.262
32	6.7	1.0000	+4.058	1.4287	0 38.5	1.3101	23 23.5	0.1477n	−1.405

Tag	0h Welt-Zeit										
	f'	g'	G'	Allgemeine Präzession seit 1937.0	$\Delta\psi$	$\Delta\psi'$	Wahre Schiefe	$\Delta\varepsilon$	$\Delta\varepsilon'$	j	k
1937	in 0.001 s	in 0.01"	h	"	"	in 0.01"	23°26'	"	in 0.01"	in 0.001	
Nov. 24	+17	+11	23.4	+45.03	+14.75	+28	46.57	−3.96	+2	105	88
25	+15	11	21.9	45.17	14.77	+24	46.58	3.98	+6	106	88
26	+10	11	20.6	45.31	14.80	+16	46.58	4.00	+8	106	88
27	+ 4	9	19.2	45.44	14.82	+ 7	46.56	4.03	+9	106	88
28	− 1	8	17.5	45.58	14.84	− 2	46.53	4.05	+7	107	88
29	− 6	6	15.5	45.72	14.87	− 9	46.47	4.07	+5	107	88
30	− 8	+ 6	12.9	+45.86	+14.90	−14	46.42	−4.10	+1	107	88
Dez. 1	− 9	6	10.5	46.00	14.93	−14	46.36	4.12	−2	107	88
2	− 7	7	8.9	46.13	14.96	−12	46.31	4.14	−5	108	88
3	− 5	8	7.6	46.27	14.99	− 8	46.26	4.16	−7	108	88
4	− 2	8	6.5	46.41	15.02	− 2	46.23	4.18	−8	108	89
5	+ 2	7	5.3	46.55	15.05	+ 3	46.22	4.20	−7	109	89
6	+ 5	+ 6	3.9	+46.69	+15.08	+ 8	46.22	−4.22	−5	109	89
7	+ 7	5	2.1	46.82	15.12	+11	46.22	4.24	−3	109	89
8	+ 7	5	23.6	46.96	15.15	+12	46.24	4.26	0	110	89
9	+ 5	5	20.7	47.10	15.19	+ 9	46.25	4.27	+4	110	89
10	+ 2	7	18.7	47.23	15.23	+ 3	46.26	4.29	+7	110	89
11	− 3	8	17.1	47.37	15.26	− 5	46.26	4.31	+8	111	89
12	− 8	+10	15.7	+47.51	+15.30	−14	46.24	−4.32	+8	111	89
13	−13	10	14.3	47.65	15.34	−21	46.20	4.34	+6	111	89
14	−16	10	12.9	47.79	15.38	−25	46.15	4.35	+2	112	89
15	−15	10	11.3	47.92	15.42	−25	46.10	4.36	−2	112	89
16	−12	9	9.6	48.06	15.46	−19	46.04	4.38	−6	112	89
17	− 6	9	7.6	48.20	15.50	− 9	46.00	4.39	−8	112	89
18	+ 2	+ 9	5.5	+48.33	+15.54	+ 3	45.99	−4.40	−9	113	89
19	+ 9	9	3.4	48.47	15.58	+15	45.99	4.41	−7	113	89
20	+14	10	1.5	48.61	15.62	+23	46.01	4.42	−4	113	89
21	+17	11	23.9	48.75	15.66	+27	46.05	4.43	0	114	89
22	+16	11	22.4	48.89	15.71	+26	46.08	4.44	+4	114	89
23	+12	11	21.1	49.02	15.75	+20	46.10	4.45	+7	114	89
24	+ 7	+10	19.7	+49.16	+15.79	+11	46.10	−4.45	+9	115	89
25	+ 1	8	18.3	49.30	15.83	+ 2	46.09	4.46	+8	115	89
26	− 4	6	16.4	49.44	15.87	− 6	46.06	4.47	+6	115	89
27	− 7	5	13.8	49.58	15.91	−11	46.02	4.47	+2	116	89
28	− 8	5	11.1	49.71	15.96	−13	45.98	4.48	−1	116	89
29	− 7	6	9.2	49.85	16.00	−12	45.94	4.48	−4	116	89
30	− 5	+ 7	7.7	+49.99	+16.04	− 8	45.91	−4.48	−7	117	89
31	− 2	8	6.6	50.12	16.07	− 3	45.90	4.48	−8	117	89
32	+ 2	+ 8	5.4	+50.26	+16.11	+ 3	45.90	−4.49	−7	117	89

Reduktionsgrößen 1937

für 12^h Sternzeit Greenwich

Welt-Zeit		t	A		A'	B		B'	C		D	
1937		s			in 0.00001	"		in 0".001	"		"	
Jan.	0.224	−0.0015	+0.34750	360	+539	+1.479	2	−27	− 3.063	328	+20.196	62
	1.221	+0.0012	0.35110	359	+444	1.481	1	−63	3.391	327	20.134	69
	2.218	0.0040	0.35469	359	+285	1.482	1	−83	3.718	326	20.065	75
	3.216	0.0067	0.35828	357	+ 97	1.483	0	−87	4.044	325	19.990	82
	4.213	0.0094	0.36185	355	− 84	1.483	0	−75	4.369	323	19.908	88
	5.210	0.0121	0.36540	354	−236	1.483	1	−49	4.692	322	19.820	93
	6.207	0.0149	+0.36894	352	−329	+1.482	3	−19	− 5.014	320	+19.727	100
	7.205	0.0176	0.37246	350	−365	1.479	2	+16	5.334	319	19.627	106
	8.202	0.0203	0.37596	348	−338	1.477	3	+47	5.653	317	19.521	112
	9.199	0.0231	0.37944	346	−258	1.474	4	+70	5.970	315	19.409	119
	10.196	0.0258	0.38290	345	−133	1.470	4	+83	6.285	313	19.290	124
	11.194	0.0285	0.38635	343	+ 11	1.466	5	+80	6.598	311	19.166	130
	12.191	0.0313	+0.38978	340	+150	+1.461	5	+63	− 6.909	308	+19.036	137
	13.188	0.0340	0.39318	338	+253	1.456	5	+32	7.217	306	18.899	143
	14.186	0.0367	0.39656	335	+297	1.451	6	− 7	7.523	304	18.756	148
	15.183	0.0394	0.39991	333	+255	1.445	7	−45	7.827	302	18.608	154
	16.180	0.0422	0.40324	330	+138	1.438	7	−76	8.129	298	18.454	160
	17.177	0.0449	0.40654	328	− 34	1.431	8	−90	8.427	296	18.294	166
	18.175	0.0476	+0.40982	326	−221	+1.423	8	−85	− 8.723	293	+18.128	171
	19.172	0.0504	0.41308	323	−373	1.415	8	−58	9.016	290	17.957	177
	20.169	0.0531	0.41631	319	−448	1.407	9	−15	9.306	288	17.780	183
	21.166	0.0558	0.41950	316	−419	1.398	8	+30	9.594	285	17.597	188
	22.164	0.0586	0.42266	314	−289	1.390	9	+71	9.879	281	17.409	194
	23.161	0.0613	0.42580	311	− 82	1.381	9	+93	10.160	278	17.215	199
	24.158	0.0640	+0.42891	308	+149	+1.372	10	+93	−10.438	274	+17.016	203
	25.155	0.0668	0.43199	304	+354	1.362	10	+72	10.712	271	16.813	208
	26.153	0.0695	0.43503	302	+489	1.352	11	+33	10.983	268	16.605	215
	27.150	0.0722	0.43805	298	+526	1.341	10	−10	11.251	264	16.390	220
	28.147	0.0749	0.44103	295	+467	1.331	11	−49	11.515	260	16.170	224
	29.145	0.0777	0.44398	292	+332	1.320	11	−78	11.775	257	15.946	230
	30.142	0.0804	+0.44690	288	+155	+1.309	12	−88	−12.032	253	+15.716	234
	31.139	0.0831	0.44978	285	− 33	1.297	11	−83	12.285	249	15.482	239
Febr.	1.136	0.0859	0.45263	283	−194	1.286	12	−62	12.534	245	15.243	244
	2.134	0.0886	0.45546	279	−310	1.274	11	−33	12.779	241	14.999	248
	3.131	0.0913	0.45825	276	−364	1.263	11	+ 3	13.020	237	14.751	253
	4.128	0.0941	0.46101	273	−360	1.252	11	+35	13.257	233	14.498	257
	5.125	0.0968	+0.46374	269	−298	+1.241	11	+60	−13.490	228	+14.241	261
	6.123	0.0995	0.46643	266	−191	1.230	12	+78	13.718	224	13.980	266
	7.120	0.1022	0.46909	262	− 54	1.218	11	+81	13.942	219	13.714	270
	8.117	0.1050	0.47171	259	+ 88	1.207	11	+69	14.161	215	13.444	274
	9.115	0.1077	0.47430	257	+208	1.196	11	+45	14.376	211	13.170	279
	10.112	0.1104	+0.47687		+279	+1.185		+ 9	−14.587		+12.891	

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Welt-Zeit	t	A		A′	B		B′	C		D	
1937	a			in 0.00001	"		in 0".001	"		"	
Febr. 10.112	0.1104	+0.47687	254	+279	+1.185	11	+ 9	−14.587	206	+12.891	282
11.109	0.1132	0.47941	250	+279	1.174	11	−31	14.793	201	12.609	286
12.106	0.1159	0.48191	247	+200	1.163	11	−65	14.994	197	12.323	289
13.104	0.1186	0.48438	245	+ 52	1.152	10	−88	15.191	192	12.034	293
14.101	0.1214	0.48683	241	−126	1.142	10	−89	15.383	187	11.741	296
15.098	0.1241	0.48924	238	−293	1.132	9	−69	15.570	182	11.445	300
16.095	0.1268	+0.49162	235	−398	+1.123	10	−33	−15.752	177	+11.145	303
17.093	0.1296	0.49397	232	−414	1.113	9	+12	15.929	172	10.842	307
18.090	0.1323	0.49629	229	−324	1.104	9	+55	16.101	167	10.535	310
19.087	0.1350	0.49858	226	−148	1.095	9	+85	16.268	162	10.225	312
20.084	0.1377	0.50084	223	+ 74	1.086	8	+95	16.430	157	9.913	315
21.082	0.1405	0.50307	221	+289	1.078	7	+81	16.587	152	9.598	319
22.079	0.1432	+0.50528	218	+451	+1.071	7	+50	−16.739	147	+ 9.279	321
23.076	0.1459	0.50746	216	+523	1.064	7	+ 7	16.886	141	8.958	324
24.074	0.1487	0.50962	213	+498	1.057	7	−35	17.027	136	8.634	326
25.071	0.1514	0.51175	211	+384	1.050	6	−69	17.163	131	8.308	329
26.068	0.1541	0.51386	209	+215	1.044	5	−85	17.294	125	7.979	331
27.065	0.1569	0.51595	206	+ 28	1.039	5	−87	17.419	121	7.648	333
28.063	0.1596	+0.51801	204	−146	+1.034	5	−70	−17.540	115	+ 7.315	335
März 1.060	0.1623	0.52005	202	−277	1.029	4	−43	17.655	109	6.980	337
2.057	0.1650	0.52207	200	−356	1.025	3	−10	17.764	103	6.643	339
3.054	0.1678	0.52407	198	−372	1.022	3	+23	17.867	98	6.304	340
4.052	0.1705	0.52605	197	−333	1.019	2	+54	17.965	92	5.964	342
5.049	0.1732	0.52802	194	−247	1.017	2	+74	18.057	87	5.622	344
6.046	0.1760	+0.52996	193	−121	+1.015	1	+82	−18.144	82	+ 5.278	345
7.044	0.1787	0.53189	191	+ 16	1.014	1	+74	18.226	76	4.933	347
8.041	0.1814	0.53380	190	+142	1.013	0	+55	18.302	71	4.586	348
9.038	0.1842	0.53570	189	+232	1.013	1	+24	18.373	65	4.238	349
10.035	0.1869	0.53759	188	+262	1.014	1	−14	18.438	59	3.889	349
11.033	0.1896	0.53947	186	+215	1.015	1	−52	18.497	54	3.540	351
12.030	0.1924	+0.54133	186	+ 99	+1.016	2	−80	−18.551	48	+ 3.189	352
13.027	0.1951	0.54319	184	− 62	1.018	4	−91	18.599	42	2.837	352
14.024	0.1978	0.54503	183	−230	1.022	4	−80	18.641	36	2.485	353
15.022	0.2005	0.54686	183	−357	1.026	5	−51	18.677	31	2.132	353
16.019	0.2033	0.54869	182	−403	1.031	5	− 7	18.708	25	1.779	353
17.016	0.2060	0.55051	182	−349	1.036	6	+38	18.733	20	1.426	354
18.013	0.2087	+0.55233	181	−203	+1.042	6	+75	−18.753	14	+ 1.072	354
19.011	0.2115	0.55414	181	+ 11	1.048	7	+94	18.767	9	0.718	354
20.008	0.2142	0.55595	181	+234	1.055	8	+90	18.776	3	0.364	354
21.005	0.2169	0.55776	181	+420	1.063	8	+66	18.779	−2	+ 0.010	353
22.003	0.2197	0.55957	181	+530	1.071	9	+25	18.777	8	− 0.343	353
23.000	0.2224	+0.56138		+538	+1.080		−18	−18.769		− 0.696	

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für 12^h Sternzeit Greenwich

Welt-Zeit	*t*	*A*		*A'*	*B*		*B'*	*C*		*D*	
1937	s			in 0.00001	"		in 0".001	"		"	
März 23.000	0.2224	+0.56138	181	+538	+1".080	9	−18	−18".769	14	− 0".696	353
23.997	0.2251	0.56319	181	+451	1.089	11	−56	18.755	20	1.049	352
24.994	0.2278	0.56500	182	+296	1.100	11	−82	18.735	25	1.401	352
25.992	0.2306	0.56682	182	+107	1.111	12	−88	18.710	30	1.753	351
26.989	0.2333	0.56864	183	− 80	1.123	12	−78	18.680	36	2.104	350
27.986	0.2360	0.57047	183	−231	1.135	13	−55	18.644	41	2.454	349
28.983	0.2388	+0.57230	184	−329	+1.148	14	−22	−18.603	47	− 2.803	349
29.981	0.2415	0.57414	185	−369	1.162	14	+11	18.556	53	3.152	347
30.978	0.2442	0.57599	186	−349	1.176	15	+42	18.503	58	3.499	346
31.975	0.2470	0.57785	187	−280	1.191	16	+67	18.445	63	3.845	345
April 1.973	0.2497	0.57972	189	−171	1.207	16	+79	18.382	69	4.190	343
2.970	0.2524	0.58161	190	− 43	1.223	17	+78	18.313	74	4.533	342
3.967	0.2552	+0.58351	191	+ 83	+1.240	17	+65	−18.239	79	− 4.875	340
4.964	0.2579	0.58542	192	+182	1.257	18	+37	18.160	85	5.215	338
5.962	0.2606	0.58734	194	+232	1.275	18	+ 1	18.075	90	5.553	337
6.959	0.2633	0.58928	195	+210	1.293	19	−37	17.985	95	5.890	334
7.956	0.2661	0.59123	196	+118	1.312	19	−69	17.890	100	6.224	332
8.953	0.2688	0.59319	198	− 30	1.331	20	−88	17.790	105	6.556	330
9.951	0.2715	+0.59517	200	−195	+1.351	21	−85	−17.685	111	− 6.886	328
10.948	0.2743	0.59717	202	−339	1.372	21	−64	17.574	116	7.214	326
11.945	0.2770	0.59919	205	−415	1.393	21	−26	17.458	120	7.540	324
12.942	0.2797	0.60124	206	−394	1.414	22	+18	17.338	125	7.864	321
13.940	0.2825	0.60330	209	−274	1.436	22	+60	17.213	131	8.185	319
14.937	0.2852	0.60539	211	− 77	1.458	23	+88	17.082	135	8.504	316
15.934	0.2879	+0.60750	212	+157	+1.481	23	+93	−16.947	140	− 8.820	313
16.932	0.2906	0.60962	214	+373	1.504	23	+76	16.807	145	9.133	310
17.929	0.2934	0.61176	217	+520	1.527	24	+41	16.662	150	9.443	307
18.926	0.2961	0.61393	220	+571	1.551	23	− 1	16.512	155	9.750	304
19.923	0.2988	0.61613	222	+524	1.574	24	−42	16.357	159	10.054	302
20.921	0.3016	0.61835	225	+389	1.598	25	−75	16.198	163	10.356	299
21.918	0.3043	+0.62060	227	+206	+1.623	26	−88	−16.035	168	−10.655	295
22.915	0.3070	0.62287	230	+ 10	1.649	25	−85	15.867	172	10.950	292
23.912	0.3098	0.62517	232	−161	1.674	26	−65	15.695	177	11.242	288
24.910	0.3125	0.62749	235	−283	1.700	26	−36	15.518	181	11.530	285
25.907	0.3152	0.62984	237	−345	1.726	26	− 1	15.337	186	11.815	281
26.904	0.3180	0.63221	240	−347	1.752	26	+32	15.151	190	12.096	278
27.902	0.3207	+0.63461	243	−296	+1.778	26	+59	−14.961	195	−12.374	274
28.899	0.3234	0.63704	245	−200	1.804	26	+76	14.766	199	12.648	270
29.896	0.3261	0.63949	248	− 81	1.830	26	+81	14.567	202	12.918	266
30.893	0.3289	0.64197	251	+ 42	1.856	27	+71	14.365	206	13.184	262
Mai 1.891	0.3316	0.64448	254	+149	1.883	27	+48	14.159	210	13.446	259
2.888	0.3343	+0.64702		+213	+1.910		+16	−13.949		−13.705	

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für 12^h Sternzeit Greenwich

Welt-Zeit	*t*	*A*		*A′*	*B*		*B′*	*C*		*D*	
1937	a			in 0.00001	″		in 0.″001	″		″	
Mai 2.888	0.3343	+0.64702	257	+213	+1.910	27	+16	−13.949	214	−13.705	255
3.885	0.3371	0.64959	259	+211	1.937	27	−21	13.735	218	13.960	250
4.882	0.3398	0.65218	262	+140	1.964	27	−58	13.517	222	14.210	246
5.880	0.3425	0.65480	265	+ 8	1.991	27	−81	13.295	225	14.456	242
6.877	0.3453	0.65745	268	−164	2.018	27	−88	13.070	229	14.698	238
7.874	0.3480	0.66013	270	−325	2.045	26	−75	12.841	232	14.936	233
8.872	0.3507	+0.66283	273	−432	+2.071	27	−43	−12.609	236	−15.169	229
9.869	0.3534	0.66556	276	−453	2.098	26	+ 1	12.373	239	15.398	225
10.866	0.3562	0.66832	279	−369	2.124	27	+44	12.134	243	15.623	220
11.863	0.3589	0.67111	281	−193	2.151	26	+78	11.891	246	15.843	216
12.861	0.3616	0.67392	284	+ 40	2.177	26	+94	11.645	249	16.059	211
13.858	0.3644	0.67676	286	+279	2.203	26	+85	11.396	252	16.270	206
14.855	0.3671	+0.67962	289	+471	+2.229	26	+58	−11.144	255	−16.476	201
15.852	0.3698	0.68251	292	+571	2.255	25	+17	10.889	258	16.677	197
16.850	0.3726	0.68543	294	+572	2.280	25	−27	10.631	261	16.874	192
17.847	0.3753	0.68837	297	+471	2.305	25	−62	10.370	264	17.066	187
18.844	0.3780	0.69134	299	+305	2.330	25	−83	10.106	267	17.253	182
19.841	0.3808	0.69433	301	+110	2.355	25	−87	9.839	269	17.435	177
20.839	0.3835	+0.69734	304	− 75	+2.380	24	−73	− 9.570	272	−17.612	172
21.836	0.3862	0.70038	306	−219	2.404	24	−47	9.298	274	17.784	167
22.833	0.3889	0.70344	308	−305	2.428	24	−13	9.024	276	17.951	162
23.831	0.3917	0.70652	311	−330	2.452	23	+19	8.748	279	18.113	157
24.828	0.3944	0.70963	313	−298	2.475	23	+50	8.469	281	18.270	152
25.825	0.3971	0.71276	315	−217	2.498	23	+70	8.188	284	18.422	146
26.822	0.3999	+0.71591	317	−106	+2.521	22	+79	− 7.904	286	−18.568	142
27.820	0.4026	0.71908	319	+ 19	2.543	21	+75	7.618	287	18.710	136
28.817	0.4053	0.72227	321	+132	2.564	22	+58	7.331	289	18.846	131
29.814	0.4081	0.72548	322	+209	2.586	21	+30	7.042	292	18.977	125
30.811	0.4108	0.72870	324	+232	2.607	20	− 6	6.750	293	19.102	120
31.809	0.4135	0.73194	327	+182	2.627	19	−44	6.457	295	19.222	114
Juni 1.806	0.4162	+0.73521	328	+ 65	+2.646	20	−73	− 6.162	297	−19.336	109
2.803	0.4190	0.73849	330	−102	2.666	19	−87	5.865	298	19.445	104
3.801	0.4217	0.74179	331	−280	2.685	19	−82	5.567	300	19.549	98
4.798	0.4244	0.74510	332	−422	2.704	18	−58	5.267	301	19.647	94
5.795	0.4272	0.74842	334	−490	2.722	17	−17	4.966	302	19.741	88
6.792	0.4299	0.75176	335	−455	2.739	17	+28	4.664	304	19.829	82
7.790	0.4326	+0.75511	336	−317	+2.756	16	+67	− 4.360	305	−19.911	76
8.787	0.4354	0.75847	337	−101	2.772	16	+90	4.055	305	19.987	71
9.784	0.4381	0.76184	338	+146	2.788	15	+92	3.750	306	20.058	65
10.781	0.4408	0.76522	339	+369	2.803	15	+70	3.444	308	20.123	60
11.779	0.4436	0.76861	340	+518	2.818	14	+34	3.136	308	20.183	54
12.776	0.4463	+0.77201		+569	+2.832		−10	− 2.828		−20.237	

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Welt-Zeit		t	A		A′	B		B′	C		D	
1937		s			in 0.00001	"		in 0.001	"		"	
Juni	12.776	0.4463	+0.77201	341	+569	+2.832	14	−10	−2.828	309	−20.237	49
	13.773	0.4490	0.77542	341	+516	2.846	13	−50	2.519	310	20.286	43
	14.770	0.4517	0.77883	342	+381	2.859	12	−78	2.209	310	20.329	37
	15.768	0.4545	0.78225	342	+198	2.871	12	−87	1.899	311	20.366	31
	16.765	0.4572	0.78567	343	+ 6	2.883	11	−80	1.588	311	20.397	26
	17.762	0.4599	0.78910	343	−153	2.894	10	−59	1.277	311	20.423	20
	18.760	0.4627	+0.79253	343	−261	+2.904	11	−27	−0.966	312	−20.443	15
	19.757	0.4654	0.79596	343	−310	2.915	9	+ 8	0.654	312	20.458	9
	20.754	0.4681	0.79939	344	−294	2.924	9	+40	0.342	312	20.467	3
	21.751	0.4709	0.80283	343	−230	2.933	9	+63	−0.030	312	20.470	−2
	22.749	0.4736	0.80626	344	−128	2.942	8	+78	+0.282	311	20.468	8
	23.746	0.4763	0.80970	344	− 6	2.950	7	+77	0.593	312	20.460	14
	24.743	0.4790	+0.81314	343	+115	+2.957	6	+66	+0.905	311	−20.446	19
	25.740	0.4818	0.81657	343	+209	2.963	6	+40	1.216	311	20.427	25
	26.738	0.4845	0.82000	343	+257	2.969	5	+ 7	1.527	311	20.402	30
	27.735	0.4872	0.82343	342	+234	2.974	5	−30	1.838	310	20.372	36
	28.732	0.4900	0.82685	341	+141	2.979	4	−63	2.148	309	20.336	41
	29.730	0.4927	0.83026	340	− 11	2.983	3	−84	2.457	308	20.295	47
	30.727	0.4954	+0.83366	339	−193	+2.986	3	−86	+2.765	308	−20.248	53
Juli	1.724	0.4982	0.83705	339	−366	2.989	2	−69	3.073	307	20.195	59
	2.721	0.5009	0.84044	337	−476	2.991	2	−34	3.380	306	20.136	64
	3.719	0.5036	0.84381	336	−495	2.993	1	+ 8	3.686	305	20.072	70
	4.716	0.5064	0.84717	336	−405	2.994	1	+52	3.991	304	20.002	75
	5.713	0.5091	0.85053	334	−226	2.995	0	+81	4.295	303	19.927	80
	6.710	0.5118	+0.85387	333	+ 8	+2.995	1	+93	+4.598	301	−19.847	86
	7.708	0.5145	0.85720	332	+242	2.994	1	+81	4.899	300	19.761	91
	8.705	0.5173	0.86052	330	+431	2.993	1	+51	5.199	299	19.670	97
	9.702	0.5200	0.86382	329	+525	2.992	1	+ 9	5.498	297	19.573	102
	10.699	0.5227	0.86711	327	+521	2.991	2	−34	5.795	296	19.471	108
	11.697	0.5255	0.87038	325	+421	2.989	3	−68	6.091	294	19.363	113
	12.694	0.5282	+0.87363	324	+260	+2.986	3	−86	+6.385	292	−19.250	118
	13.691	0.5309	0.87687	322	+ 74	2.983	4	−87	6.677	291	19.132	123
	14.689	0.5337	0.88009	319	− 98	2.979	5	−68	6.968	288	19.009	129
	15.686	0.5364	0.88328	318	−224	2.974	4	−40	7.256	286	18.880	134
	16.683	0.5391	0.88646	316	−292	2.970	5	− 6	7.542	285	18.746	139
	17.680	0.5418	0.88962	314	−298	2.965	5	+28	7.827	283	18.607	144
	18.678	0.5446	+0.89276	312	−249	+2.960	6	+55	+8.110	280	−18.463	150
	19.675	0.5473	0.89588	310	−158	2.954	6	+73	8.390	278	18.313	154
	20.672	0.5500	0.89898	307	− 41	2.948	7	+80	8.668	276	18.159	160
	21.669	0.5528	0.90205	305	+ 82	2.941	7	+71	8.944	273	17.999	164
	22.667	0.5555	0.90510	302	+189	2.934	7	+52	9.217	270	17.835	169
	23.664	0.5582	+0.90812		+260	+2.927		+21	+9.487		−17.666	

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Welt-Zeit	t	A		A'	B		B'	C		D	
1937	s			in 0.00001	"		in ".001	"		"	
Juli 23.664	0.5582	+0.90812	300	+260	+2.927	8	+21	+ 9.487	268	−17.666	174
24.661	0.5610	0.91112	298	+270	2.919	8	−14	9.755	265	17.492	180
25.659	0.5637	0.91410	296	+208	2.911	8	−50	10.020	263	17.312	184
26.656	0.5664	0.91706	293	+ 83	2.903	9	−75	10.283	260	17.128	189
27.653	0.5692	0.91999	291	− 90	2.894	8	−85	10.543	257	16.939	194
28.650	0.5719	0.92290	289	−269	2.886	9	−78	10.800	255	16.745	198
29.648	0.5746	+0.92579	286	−412	+2.877	9	−51	+11.055	251	−16.547	203
30.645	0.5773	0.92865	283	−478	2.868	9	−10	11.306	248	16.344	207
31.642	0.5801	0.93148	280	−440	2.859	9	+34	11.554	244	16.137	212
Aug. 1.639	0.5828	0.93428	278	−307	2.850	10	+70	11.798	242	15.925	216
2.637	0.5855	0.93706	275	−100	2.840	10	+90	12.040	239	15.709	220
3.634	0.5883	0.93981	271	+135	2.830	10	+88	12.279	235	15.489	226
4.631	0.5910	+0.94252	269	+339	+2.820	10	+65	+12.514	232	−15.263	230
5.628	0.5937	0.94521	266	+471	2.810	10	+26	12.746	228	15.033	234
6.626	0.5965	0.94787	263	+505	2.800	10	−18	12.974	225	14.799	238
7.623	0.5992	0.95050	260	+441	2.790	10	−56	13.199	221	14.561	242
8.620	0.6019	0.95310	258	+302	2.780	10	−81	13.420	217	14.319	246
9.618	0.6046	0.95568	256	+123	2.770	10	−88	13.637	214	14.073	251
10.615	0.6074	+0.95824	253	− 51	+2.760	10	−77	+13.851	210	−13.822	254
11.612	0.6101	0.96077	251	−195	2.750	10	−52	14.061	205	13.568	258
12.609	0.6128	0.96328	248	−281	2.740	10	−19	14.266	202	13.310	262
13.607	0.6156	0.96576	244	−306	2.730	10	+15	14.468	198	13.048	265
14.604	0.6183	0.96820	242	−276	2.720	10	+46	14.666	194	12.783	269
15.601	0.6210	0.97062	239	−198	2.710	10	+66	14.860	191	12.514	272
16.598	0.6238	+0.97301	236	− 90	+2.700	9	+77	+15.051	186	−12.242	276
17.596	0.6265	0.97537	233	+ 32	2.691	9	+74	15.237	182	11.966	280
18.593	0.6292	0.97770	231	+147	2.682	9	+60	15.419	178	11.686	283
19.590	0.6320	0.98001	228	+235	2.673	8	+33	15.597	173	11.403	287
20.588	0.6347	0.98229	225	+272	2.665	9	0	15.770	169	11.116	290
21.585	0.6374	0.98454	223	+243	2.656	8	−36	15.939	164	10.826	293
22.582	0.6401	+0.98677	221	+149	+2.648	8	−66	+16.103	160	−10.533	296
23.579	0.6429	0.98898	218	0	2.640	8	−83	16.263	155	10.237	299
24.577	0.6456	0.99116	216	−177	2.632	8	−82	16.418	151	9.938	302
25.574	0.6483	0.99332	213	−333	2.624	7	−63	16.569	146	9.636	304
26.571	0.6511	0.99545	211	−431	2.617	7	−28	16.715	141	9.332	307
27.568	0.6538	0.99756	209	−436	2.610	6	+15	16.856	137	9.025	311
28.566	0.6565	+0.99965	207	−343	+2.604	6	+56	+16.993	132	− 8.714	313
29.563	0.6593	1.00172	204	−168	2.598	6	+84	17.125	127	8.401	316
30.560	0.6620	1.00376	202	+ 56	2.592	6	+92	17.252	122	8.085	318
31.558	0.6647	1.00578	201	+272	2.586	5	+75	17.374	118	7.767	320
Sept. 1.555	0.6674	1.00779	198	+429	2.581	4	+43	17.492	113	7.447	322
2.552	0.6702	+1.00977		+498	+2.577		− 1	+17.605		− 7.125	

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Welt-Zeit	t	A		A′	B		B′	C		D	
1937	s			in 0.00001	″		in 0.″001	″		″	
Sept. 2.552	0.6702	+1.00977	197	+498	+2.577	4	− 1	+17.605	107	−7.125	325
3.549	0.6729	1.01174	195	+467	2.573	4	−41	17.712	103	6.800	327
4.547	0.6756	1.01369	192	+349	2.569	3	−73	17.815	98	6.473	328
5.544	0.6784	1.01561	191	+179	2.566	2	−87	17.913	93	6.145	330
6.541	0.6811	1.01752	189	− 4	2.564	2	−83	18.006	87	5.815	333
7.538	0.6838	1.01941	188	−160	2.562	1	−62	18.093	83	5.482	334
8.536	0.6866	+1.02129	186	−268	+2.561	1	−32	+18.176	77	−5.148	336
9.533	0.6893	1.02315	185	−311	2.560	0	+ 3	18.253	72	4.812	337
10.530	0.6920	1.02500	184	−300	2.560	0	+37	18.325	67	4.475	339
11.527	0.6948	1.02684	183	−236	2.560	0	+60	18.392	62	4.136	340
12.525	0.6975	1.02867	181	−139	2.560	1	+76	18.454	56	3.796	342
13.522	0.7002	1.03048	180	− 23	2.561	2	+78	18.510	51	3.454	343
14.519	0.7029	+1.03228	179	+ 92	+2.563	3	+66	+18.561	46	−3.111	343
15.517	0.7057	1.03407	178	+188	2.566	3	+45	18.607	41	2.768	344
16.514	0.7084	1.03585	178	+243	2.569	4	+13	18.648	35	2.424	346
17.511	0.7111	1.03763	177	+242	2.573	4	−22	18.683	29	2.078	347
18.508	0.7139	1.03940	176	+175	2.577	5	−55	18.712	24	1.731	347
19.506	0.7166	1.04116	176	+ 50	2.582	6	−78	18.736	19	1.384	348
20.503	0.7193	+1.04292	176	−112	+2.588	6	−86	+18.755	13	−1.036	348
21.500	0.7221	1.04468	176	−274	2.594	7	−73	18.768	8	0.688	349
22.497	0.7248	1.04644	175	−391	2.601	8	−45	18.776	3	−0.339	349
23.495	0.7275	1.04819	175	−429	2.609	8	− 3	18.779	3	+0.010	349
24.492	0.7302	1.04994	176	−371	2.617	8	+40	18.776	8	0.359	349
25.489	0.7330	1.05170	176	−222	2.625	9	+72	18.768	14	0.708	349
26.487	0.7357	+1.05346	176	− 10	+2.634	9	+90	+18.754	19	+1.057	349
27.484	0.7384	1.05522	176	+213	2.643	11	+83	18.735	25	1.406	349
28.481	0.7412	1.05698	177	+399	2.654	12	+58	18.710	30	1.755	348
29.478	0.7439	1.05875	177	+504	2.666	12	+18	18.680	36	2.103	348
30.476	0.7466	1.06052	178	+508	2.678	13	−25	18.644	41	2.451	348
Okt. 1.473	0.7494	1.06230	178	+416	2.691	13	−62	18.603	47	2.799	347
2.470	0.7521	+1.06408	180	+257	+2.704	14	−84	+18.556	52	+3.146	346
3.467	0.7548	1.06588	180	+ 68	2.718	15	−87	18.504	58	3.492	345
4.465	0.7576	1.06768	181	−106	2.733	16	−72	18.446	63	3.837	344
5.462	0.7603	1.06949	182	−237	2.749	16	−44	18.383	69	4.181	343
6.459	0.7630	1.07131	184	−308	2.765	16	−11	18.314	74	4.524	343
7.456	0.7657	1.07315	185	−315	2.781	17	+23	18.240	79	4.867	342
8.454	0.7685	+1.07500	187	−267	+2.798	17	+51	+18.161	85	+5.209	339
9.451	0.7712	1.07687	189	−182	2.815	18	+71	18.076	90	5.548	338
10.448	0.7739	1.07876	190	− 69	2.833	19	+77	17.986	95	5.886	337
11.446	0.7767	1.08066	192	+ 44	2.852	19	+71	17.891	101	6.223	335
12.443	0.7794	1.08258	193	+144	2.871	20	+54	17.790	107	6.558	333
13.440	0.7821	+1.08451		+211	+2.891		+26	+17.683		+6.891	

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Welt-Zeit	t	A	Δ	A′	B	Δ	B′	C	Δ	D	Δ
1937	s			in 0.00001	"		in 0.001"	"		"	
Okt. 13.440	0.7821	+1.08451	195	+211	+2.891	20	+26	+17.683	112	+ 6.891	331
14.437	0.7849	1.08646	197	+228	2.911	21	− 8	17.571	117	7.222	330
15.435	0.7876	1.08843	199	+183	2.932	21	−42	17.454	122	7.552	328
16.432	0.7903	1.09042	201	+ 76	2.953	22	−68	17.332	128	7.880	325
17.429	0.7930	1.09243	204	− 76	2.975	22	−82	17.204	133	8.205	323
18.426	0.7958	1.09447	206	−237	2.997	23	−79	17.071	137	8.528	321
19.424	0.7985	+1.09653	208	−373	+3.020	23	−56	+16.934	143	+ 8.849	318
20.421	0.8012	1.09861	211	−442	3.043	24	−20	16.791	148	9.167	315
21.418	0.8040	1.10072	213	−416	3.067	24	+23	16.643	153	9.482	313
22.416	0.8067	1.10285	216	−294	3.091	24	+61	16.490	158	9.795	310
23.413	0.8094	1.10501	218	− 96	3.115	25	+86	16.332	163	10.105	307
24.410	0.8122	1.10719	221	+137	3.140	25	+89	16.169	169	10.412	304
25.407	0.8149	+1.10940	223	+350	+3.165	25	+71	+16.000	173	+10.716	301
26.405	0.8176	1.11163	227	+498	3.190	25	+35	15.827	178	11.017	298
27.402	0.8204	1.11390	229	+546	3.215	26	− 8	15.649	182	11.315	295
28.399	0.8231	1.11619	233	+492	3.241	26	−48	15.467	188	11.610	291
29.396	0.8258	1.11852	236	+354	3.267	26	−78	15.279	193	11.901	288
30.394	0.8285	1.12088	239	+168	3.293	27	−88	15.086	197	12.189	285
31.391	0.8313	+1.12327	242	− 21	+3.320	27	−80	+14.889	202	+12.474	281
Nov. 1.388	0.8340	1.12569	244	−179	3.347	27	−56	14.687	206	12.755	277
2.385	0.8367	1.12813	247	−276	3.374	27	−24	14.481	210	13.032	273
3.383	0.8395	1.13060	251	−307	3.401	27	+12	14.271	215	13.305	270
4.380	0.8422	1.13311	254	−281	3.428	28	+42	14.056	219	13.575	265
5.377	0.8449	1.13565	256	−207	3.456	28	+66	13.837	224	13.840	261
6.375	0.8477	+1.13821	260	−102	+3.484	28	+76	+13.613	228	+14.101	257
7.372	0.8504	1.14081	263	+ 10	3.512	27	+76	13.385	233	14.358	253
8.369	0.8531	1.14344	266	+116	3.539	28	+62	13.152	237	14.611	249
9.366	0.8558	1.14610	270	+191	3.567	27	+37	12.915	240	14.860	244
10.364	0.8586	1.14880	273	+224	3.594	28	+ 5	12.675	244	15.104	240
11.361	0.8613	1.15153	276	+193	3.622	27	−28	12.431	249	15.344	235
12.358	0.8640	+1.15429	279	+105	+3.649	28	−60	+12.182	252	+15.579	230
13.355	0.8668	1.15708	283	− 37	3.677	27	−79	11.930	256	15.809	225
14.353	0.8695	1.15991	286	−203	3.704	27	−83	11.674	260	16.034	220
15.350	0.8722	1.16277	288	−359	3.731	26	−67	11.414	263	16.254	216
16.347	0.8750	1.16565	291	−461	3.757	27	−37	11.151	267	16.470	211
17.345	0.8777	1.16856	295	−475	3.784	26	+ 5	10.884	271	16.681	206
18.342	0.8804	+1.17151	298	−388	+3.810	27	+46	+10.613	274	+16.887	201
19.339	0.8832	1.17449	301	−210	3.837	26	+78	10.339	277	17.088	195
20.336	0.8859	1.17750	304	+ 21	3.863	26	+90	10.062	280	17.283	190
21.334	0.8886	1.18054	306	+258	3.889	26	+80	9.782	283	17.473	185
22.331	0.8913	1.18360	309	+447	3.915	25	+51	9.499	286	17.658	180
23.328	0.8941	+1.18669		+547	+3.940		+10	+ 9.213		+17.838	

Reduktionsgrößen 1937

für 12^h Sternzeit Greenwich

Welt-Zeit	t	A	Δ	A′	B	Δ	B′	C	Δ	D	Δ
1937	s			in 0.00001	″		in 0.″001	″		″	
Nov. 23.328	0.8941	+1.18669	312	+547	+3.940	25	+10	+9.213	290	+17.838	174
24.325	0.8968	1.18981	315	+542	3.965	24	−32	8.923	293	18.012	168
25.323	0.8995	1.19296	317	+441	3.989	23	−67	8.630	295	18.180	163
26.320	0.9023	1.19613	320	+271	4.012	23	−84	8.335	298	18.343	157
27.317	0.9050	1.19933	323	+ 78	4.035	23	−84	8.037	300	18.500	152
28.314	0.9077	1.20256	325	− 97	4.058	23	−66	7.737	303	18.652	146
29.312	0.9105	+1.20581	328	−219	+4.081	23	−36	+7.434	305	+18.798	140
30.309	0.9132	1.20909	330	−279	4.104	22	− 1	7.129	308	18.938	134
Dez. 1.306	0.9159	1.21239	332	−275	4.126	21	+32	6.821	310	19.072	129
2.304	0.9186	1.21571	334	−218	4.147	21	+58	6.511	312	19.201	122
3.301	0.9214	1.21905	335	−123	4.168	20	+73	6.199	314	19.323	116
4.298	0.9241	1.22240	337	− 12	4.188	19	+77	5.885	316	19.439	110
5.295	0.9268	+1.22577	340	+ 97	+4.207	18	+67	+5.569	317	+19.549	104
6.293	0.9296	1.22917	342	+182	4.225	19	+47	5.252	319	19.653	98
7.290	0.9323	1.23259	343	+229	4.244	18	+17	4.933	322	19.751	93
8.287	0.9350	1.23602	345	+222	4.262	17	−16	4.611	323	19.844	86
9.284	0.9378	1.23947	346	+152	4.279	17	−49	4.288	324	19.930	79
10.282	0.9405	1.24293	347	+ 23	4.296	16	−72	3.964	325	20.009	73
11.279	0.9432	+1.24640	349	−144	+4.312	16	−82	+3.639	327	+20.082	67
12.276	0.9460	1.24989	350	−315	4.328	14	−75	3.312	328	20.149	61
13.274	0.9487	1.25339	352	−452	4.342	13	−51	2.984	329	20.210	55
14.271	0.9514	1.25691	353	−511	4.355	13	−12	2.655	330	20.265	48
15.268	0.9541	1.26044	353	−473	4.368	13	+29	2.325	330	20.313	42
16.265	0.9569	1.26397	354	−336	4.381	12	+65	1.995	331	20.355	35
17.263	0.9596	+1.26751	354	−120	+4.393	11	+87	+1.664	331	+20.390	29
18.260	0.9623	1.27105	355	+124	4.404	11	+87	1.333	332	20.419	22
19.257	0.9651	1.27460	355	+343	4.415	10	+65	1.001	333	20.441	16
20.254	0.9678	1.27815	355	+491	4.425	9	+27	0.668	333	20.457	10
21.252	0.9705	1.28170	355	+541	4.434	9	−15	0.335	333	20.467	3
22.249	0.9733	1.28525	355	+483	4.443	7	−55	+0.002	332	20.470	3
23.246	0.9760	+1.28880	356	+347	+4.450	6	−81	−0.330	333	+20.467	10
24.244	0.9787	1.29236	356	+166	4.456	7	−88	0.663	333	20.457	16
25.241	0.9814	1.29592	355	− 14	4.463	6	−77	0.996	333	20.441	22
26.238	0.9842	1.29947	355	−159	4.469	4	−51	1.329	332	20.419	29
27.235	0.9869	1.30302	354	−242	4.473	4	−16	1.661	332	20.390	35
28.233	0.9896	1.30656	353	−261	4.477	4	+21	1.993	331	20.355	42
29.230	0.9924	+1.31009	352	−221	+4.481	3	+49	−2.324	328	+20.313	48
30.227	0.9951	1.31361	350	−138	4.484	2	+69	2.652	328	20.265	54
31.224	0.9978	1.31711	351	− 32	4.486	1	+75	2.980	329	20.211	61
32.222	1.0006	+1.32062		+ 81	+4.487		+71	−3.309		+20.150	

Übertragung mittlerer Sternörter

von dem Äquinoktium t_1 auf $t_2 = 1937.0$

t_1	$m^s(t_2-t_1)$	$\log[n^s(t_2-t_1)]$	$\log[n''(t_2-t_1)]$
1755	+9^m 18^s.982	2.386126	3.562217
1790	7 31.533	2.293340	3.469431
1800	7 0.829	2.262734	3.438825
1810	6 30.123	2.229808	3.405899
1825	5 44.062	2.175209	3.351300
1830	+5 28.708	2.155370	3.331461
1835	5 13.352	2.134581	3.310672
1840	4 57.996	2.112749	3.288840
1845	4 42.640	2.089760	3.265851
1850	4 27.282	2.065486	3.241577
1855	+4 11.926	2.039776	3.215867
1860	3 56.568	2.012449	3.188540
1865	3 41.210	1.98328	3.159376
1870	3 25.851	1.95202	3.128115
1875	3 10.492	1.91834	3.094427
1880	+2 55.132	1.88181	3.057906
1885	2 39.772	1.84194	3.018029
1890	2 24.411	1.79803	2.97412
1895	2 9.051	1.74917	2.92527
1900	1 53.689	1.69412	2.87021
1905	+1 38.327	1.63107	2.80716
1910	1 22.965	1.55728	2.73337
1915	1 7.602	1.46833	2.64442
1920	0 52.239	1.35635	2.53244
1925	0 36.875	1.20508	2.38117
1930	+0 21.511	0.97099	2.14708
1935	+0 6.146	0.42692	1.60301
1940	−0 9.219	0.60300n	1.77910n

Sind α_1, δ_1 die Koordinaten für t_1 und α_2, δ_2 jene für $t_2 = 1937.0$, ist ferner α', δ' der genäherte Sternort für die Zeit

$$\frac{1}{2}(t_1 + t_2),$$

so ist

$$\alpha_2 = \alpha_1 + m^s(t_2 - t_1) + [n^s(t_2 - t_1)] \sin \alpha' \operatorname{tg} \delta'$$
$$\delta_2 = \delta_1 + [n''(t_2 - t_1)] \cos \alpha'$$



Übertragung mittlerer Polsternörter

von dem Äquinoktium t_1 auf $t_2 = 1937.0$

t_1	$90° - (N)$	$(m) + (N) - 90°$	(n)
1755	+69′ 51″.16	+69′ 53″.79	+60′ 49″.11
1790	56 25.70	56 27.42	49 7.21
1800	52 35.52	52 37.01	45 46.68
1810	48 45.32	48 46.61	42 26.15
1825	42 59.99	43 0.99	37 25.37
1830	+41 4.87	+41 5.78	+35 45.11
1835	39 9.74	39 10.56	34 4.86
1840	37 14.61	37 15.35	32 24.60
1845	35 19.47	35 20.14	30 44.35
1850	33 24.33	33 24.93	29 4.10
1855	+31 29.18	+31 29.71	+27 23.85
1860	29 34.03	29 34.50	25 43.60
1865	27 38.87	27 39.28	24 3.35
1870	25 43.70	25 44.07	22 23.10
1875	23 48.53	23 48.85	20 42.86
1880	+21 53.36	+21 53.62	+19 2.62
1885	19 58.18	19 58.40	17 22.38
1890	18 2.99	18 3.18	15 42.14
1895	16 7.80	16 7.95	14 1.91
1900	14 12.61	14 12.73	12 21.67
1905	+12 17.41	+12 17.50	+10 41.44
1910	10 22.21	10 22.27	9 1.21
1915	8 26.99	8 27.03	7 20.98
1920	6 31.78	6 31.80	5 40.76
1925	4 36.55	4 36.56	4 0.53
1930	+ 2 41.32	+ 2 41.33	+ 2 20.31
1935	+ 0 46.09	+ 0 46.10	+ 0 40.09
1940	− 1 9.15	− 1 9.14	− 1 0.13

Sind α_1, δ_1 die Koordinaten für t_1 und α_2, δ_2 jene für $t_2 = 1937.0$, so hat man

zur Reduktion von dem Äquinoktium t_1 auf t_2:

$$a_1 = \alpha_1 + [90° - (N)]$$

$$p_1 = \left(\operatorname{tang} \delta_1 + \cos a_1 \operatorname{tang} \tfrac{1}{2}(n)\right) \sin (n)$$

$$\operatorname{tang} \Delta a_1 = \frac{p_1 \sin a_1}{1 - p_1 \cos a_1}$$

$$\alpha_2 = a_1 + [(m) + (N) - 90°] + \Delta a_1$$

$$\operatorname{tang} \tfrac{1}{2}(\delta_2 - \delta_1) = \cos\left(a_1 + \tfrac{1}{2}\Delta a_1\right) \sec \tfrac{1}{2}\Delta a_1 \operatorname{tang} \tfrac{1}{2}(n)$$

zur Reduktion von dem Äquinoktium t_2 auf t_1:

$$a_2 = \alpha_2 - [(m) + (N) - 90°]$$

$$p_2 = -\left(\operatorname{tang} \delta_2 - \cos a_2 \operatorname{tang} \tfrac{1}{2}(n)\right) \sin (n)$$

$$\operatorname{tang} \Delta a_2 = \frac{p_2 \sin a_2}{1 - p_2 \cos a_2}$$

$$\alpha_1 = a_2 - [90° - (N)] + \Delta a_2$$

$$\operatorname{tang} \tfrac{1}{2}(\delta_1 - \delta_2) = -\cos\left(a_2 + \tfrac{1}{2}\Delta a_2\right) \sec \tfrac{1}{2}\Delta a_2 \operatorname{tang} \tfrac{1}{2}(n)$$

Reduktion von Koordinatendifferenzen scheinbarer Örter auf Differenzen mittlerer Örter für den Jahresanfang.

Sind $\Delta\alpha$ und $\Delta\delta$ die gemessenen Koordinatendifferenzen der scheinbaren Örter im Sinne Objekt minus Stern, $d\Delta\alpha$ und $d\Delta\delta$ die an ihnen anzubringenden Korrektionen, um Koordinatendifferenzen zu erhalten, die sich auf das mittlere Äquinoktium des Jahresanfangs beziehen, so wird

$$d\Delta\alpha = (d\Delta\alpha)_1 + (d\Delta\alpha)_2$$
$$d\Delta\delta = (d\Delta\delta)_1 + (d\Delta\delta)_2,$$

wobei

$$(d\Delta\alpha)_1 = -j\cos(G+\alpha)\frac{\operatorname{tg}\delta}{15}\Delta\alpha^{\mathrm{m}} - j\sin(G+\alpha)\frac{\sec^2\delta}{225}\Delta\delta'$$

$$(d\Delta\alpha)_2 = -k\cos(H+\alpha)\frac{\sec\delta}{15}\Delta\alpha^{\mathrm{m}} - k\sin(H+\alpha)\frac{\operatorname{tg}\delta\sec\delta}{225}\Delta\delta'$$

$$(d\Delta\delta)_1 = j\sin(G+\alpha)\Delta\alpha^{\mathrm{m}}$$

$$(d\Delta\delta)_2 = k\sin(H+\alpha)\sin\delta\,\Delta\alpha^{\mathrm{m}} - k\cos(H+\alpha)\frac{\cos\delta}{15}\Delta\delta' + [0.0003\,i\sin\delta\,\Delta\delta']$$

Hierin bezeichnen $(d\Delta\alpha)_1$ und $(d\Delta\delta)_1$ den Einfluß der Präzession und Nutation, $(d\Delta\alpha)_2$ und $(d\Delta\delta)_2$ den Einfluß der Aberration.

Die Größen G, H, j, k, i sind auf S. 238* — 255* zu finden. Die Faktoren $\frac{1}{15}\operatorname{tg}\delta$, $\frac{1}{225}\sec^2\delta$, $\frac{1}{15}\sec\delta$, $\frac{1}{225}\operatorname{tg}\delta\sec\delta$, $\sin\delta$, $\frac{1}{15}\cos\delta$ entnehme man der Zusammenstellung auf S. 268*. Die numerischen Werte der Funktionen sinus und cosinus sind auf S. 269* enthalten. $\Delta\alpha^{\mathrm{m}}$ bedeutet die in Zeitminuten ausgedrückte gemessene Rektaszensionsdifferenz, $\Delta\delta'$ ist die in Winkelminuten ausgedrückte gemessene Deklinationsdifferenz. Die Größen $d\Delta\alpha$ und $d\Delta\delta$ ergeben sich in Zeit- bzw. Winkelsekunden. Das in eckige Klammern gesetzte Glied $0.0003\,i\sin\delta\,\Delta\delta'$ in der Formel für $(d\Delta\delta)_2$ beträgt für $\Delta\delta' = 10'$ im Maximum $0''.02$ und kann daher in den meisten Fällen unberücksichtigt bleiben.

δ	$\frac{1}{15}$ tg δ	$\frac{1}{225}$ sec² δ	$\frac{1}{15}$ sec δ	$\frac{1}{225}$ tg δ sec δ	sin δ	$\frac{1}{15}$ cos δ	tg δ	$\frac{1}{15}$ sec² δ	δ
0°	0.000	0.004	0.067	0.000	0.00	0.07	0.00	0.07	0°
5	0.006	0.004	0.067	0.000	0.09	0.07	0.09	0.07	5
10	0.012	0.005	0.068	0.001	0.17	0.07	0.18	0.07	10
15	0.018	0.005	0.069	0.001	0.26	0.06	0.27	0.07	15
20	0.024	0.005	0.071	0.002	0.34	0.06	0.36	0.08	20
25	0.031	0.005	0.074	0.002	0.42	0.06	0.47	0.08	25
30	0.038	0.006	0.077	0.003	0.50	0.06	0.58	0.09	30
35	0.047	0.007	0.081	0.004	0.57	0.05	0.70	0.10	35
40	0.056	0.008	0.087	0.005	0.64	0.05	0.84	0.11	40
40°	0.056	0.008	0.087	0.005	0.64	0.05	0.84	0.11	40°
42	0.060	0.008	0.090	0.005	0.67	0.05	0.90	0.12	42
44	0.064	0.009	0.093	0.006	0.69	0.05	0.97	0.13	44
46	0.069	0.009	0.096	0.007	0.72	0.05	1.04	0.14	46
48	0.074	0.010	0.100	0.007	0.74	0.04	1.11	0.15	48
50	0.079	0.011	0.104	0.008	0.77	0.04	1.19	0.16	50
52	0.085	0.012	0.108	0.009	0.79	0.04	1.28	0.18	52
54	0.092	0.013	0.113	0.010	0.81	0.04	1.38	0.19	54
56	0.099	0.014	0.119	0.012	0.83	0.04	1.48	0.21	56
58	0.107	0.016	0.126	0.013	0.85	0.04	1.60	0.24	58
60	0.115	0.018	0.133	0.015	0.87	0.03	1.73	0.27	60
60°	0.115	0.018	0.133	0.015	0.87	0.03	1.73	0.27	60°
61	0.120	0.019	0.138	0.017	0.87	0.03	1.80	0.28	61
62	0.125	0.020	0.142	0.018	0.88	0.03	1.88	0.30	62
63	0.131	0.022	0.147	0.019	0.89	0.03	1.96	0.32	63
64	0.137	0.023	0.152	0.021	0.90	0.03	2.05	0.35	64
65	0.143	0.025	0.158	0.023	0.91	0.03	2.14	0.37	65
66	0.150	0.027	0.164	0.025	0.91	0.03	2.25	0.40	66
67	0.157	0.029	0.171	0.027	0.92	0.03	2.36	0.44	67
68	0.165	0.032	0.178	0.029	0.93	0.02	2.48	0.48	68
69	0.174	0.035	0.186	0.032	0.93	0.02	2.61	0.52	69
70	0.183	0.038	0.195	0.036	0.94	0.02	2.75	0.57	70
71	0.194	0.042	0.205	0.040	0.95	0.02	2.90	0.63	71
72	0.205	0.047	0.216	0.044	0.95	0.02	3.08	0.70	72
73	0.218	0.052	0.228	0.050	0.96	0.02	3.27	0.78	73
74	0.232	0.058	0.242	0.056	0.96	0.02	3.49	0.88	74
75	0.249	0.066	0.258	0.064	0.97	0.02	3.73	1.00	75
75.0°	0.249	0.066	0.258	0.064	0.97	0.02	3.73	1.00	75.0°
75.5	0.258	0.071	0.266	0.069	0.97	0.02	3.87	1.06	75.5
76.0	0.267	0.076	0.276	0.074	0.97	0.02	4.01	1.14	76.0
76.5	0.278	0.082	0.286	0.079	0.97	0.02	4.17	1.22	76.5
77.0	0.289	0.088	0.296	0.086	0.97	0.01	4.33	1.32	77.0
77.5	0.301	0.095	0.308	0.093	0.98	0.01	4.51	1.42	77.5
78.0	0.314	0.103	0.321	0.101	0.98	0.01	4.70	1.54	78.0
78.5	0.328	0.112	0.334	0.110	0.98	0.01	4.92	1.68	78.5
79.0	0.343	0.122	0.349	0.120	0.98	0.01	5.14	1.83	79.0
79.5	0.360	0.134	0.366	0.132	0.98	0.01	5.40	2.01	79.5
80.0	0.378	0.147	0.384	0.145	0.98	0.01	5.67	2.21	80.0

	0^h	1^h	2^h	3^h	4^h	5^h	
0^m	0.000	0.259	0.500	0.707	0.866	0.966	60
1	0.004	0.263	0.504	0.710	0.868	0.967	59
2	0.009	0.267	0.508	0.713	0.870	0.968	58
3	0.013	0.271	0.511	0.716	0.872	0.969	57
4	0.017	0.276	0.515	0.719	0.875	0.970	56
5	0.022	0.280	0.519	0.722	0.877	0.971	55
6	0.026	0.284	0.522	0.725	0.879	0.972	54
7	0.031	0.288	0.526	0.728	0.881	0.973	53
8	0.035	0.292	0.530	0.731	0.883	0.974	52
9	0.039	0.297	0.534	0.734	0.885	0.975	51
10	0.044	0.301	0.537	0.737	0.887	0.976	50
11	0.048	0.305	0.541	0.740	0.889	0.977	49
12	0.052	0.309	0.545	0.743	0.891	0.978	48
13	0.057	0.313	0.548	0.746	0.893	0.979	47
14	0.061	0.317	0.552	0.749	0.895	0.980	46
15	0.065	0.321	0.556	0.752	0.897	0.981	45
16	0.070	0.326	0.559	0.755	0.899	0.982	44
17	0.074	0.330	0.563	0.758	0.901	0.982	43
18	0.078	0.334	0.566	0.760	0.903	0.983	42
19	0.083	0.338	0.570	0.763	0.904	0.984	41
20	0.087	0.342	0.574	0.766	0.906	0.985	40
21	0.092	0.346	0.577	0.769	0.908	0.986	39
22	0.096	0.350	0.581	0.772	0.910	0.986	38
23	0.100	0.354	0.584	0.774	0.912	0.987	37
24	0.105	0.358	0.588	0.777	0.914	0.988	36
25	0.109	0.362	0.591	0.780	0.915	0.988	35
26	0.113	0.367	0.595	0.783	0.917	0.989	34
27	0.118	0.371	0.598	0.785	0.919	0.990	33
28	0.122	0.375	0.602	0.788	0.921	0.990	32
29	0.126	0.379	0.605	0.791	0.922	0.991	31
30	0.131	0.383	0.609	0.793	0.924	0.991	30
31	0.135	0.387	0.612	0.796	0.926	0.992	29
32	0.139	0.391	0.616	0.799	0.927	0.993	28
33	0.143	0.395	0.619	0.801	0.929	0.993	27
34	0.148	0.399	0.623	0.804	0.930	0.994	26
35	0.152	0.403	0.626	0.806	0.932	0.994	25
36	0.156	0.407	0.629	0.809	0.934	0.995	24
37	0.161	0.411	0.633	0.812	0.935	0.995	23
38	0.165	0.415	0.636	0.814	0.937	0.995	22
39	0.169	0.419	0.639	0.817	0.938	0.996	21
40	0.174	0.423	0.643	0.819	0.940	0.996	20
41	0.178	0.427	0.646	0.822	0.941	0.997	19
42	0.182	0.431	0.649	0.824	0.943	0.997	18
43	0.187	0.434	0.653	0.827	0.944	0.997	17
44	0.191	0.438	0.656	0.829	0.946	0.998	16
45	0.195	0.442	0.659	0.831	0.947	0.998	15
46	0.199	0.446	0.663	0.834	0.948	0.998	14
47	0.204	0.450	0.666	0.836	0.950	0.998	13
48	0.208	0.454	0.669	0.839	0.951	0.999	12
49	0.212	0.458	0.672	0.841	0.952	0.999	11
50	0.216	0.462	0.676	0.843	0.954	0.999	10
51	0.221	0.466	0.679	0.846	0.955	0.999	9
52	0.225	0.469	0.682	0.848	0.956	0.999	8
53	0.229	0.473	0.685	0.850	0.958	1.000	7
54	0.233	0.477	0.688	0.853	0.959	1.000	6
55	0.238	0.481	0.692	0.855	0.960	1.000	5
56	0.242	0.485	0.695	0.857	0.961	1.000	4
57	0.246	0.489	0.698	0.859	0.962	1.000	3
58	0.250	0.492	0.701	0.862	0.964	1.000	2
59	0.255	0.496	0.704	0.864	0.965	1.000	1
60	0.259	0.500	0.707	0.866	0.966	1.000	0^m
	5^h	4^h	3^h	2^h	1^h	0^h	

Cosinus

Reduktionsgrößen 1937

Übertragung von Rektaszensions- und Deklinationsdifferenzen vom mittleren Äquinoktium 1937.0 auf das Normaläquinoktium 1925.0

α	a_1	a_2	d_1	α	α	a_1	a_2	d_1	α
h m	s	s	"	h m	h m	s	s	"	h m
0 0	−0.0700−	−0.0000+	+0.000−	24 0	6 0	+0.0000+	−0.0700+	+1.049−	18 0
10	0699	0031	046	50	10	0031	0699	1.048	50
20	0697	0061	092	40	20	0061	0697	1.045	40
30	0694	0091	137	30	30	0091	0694	1.041	30
40	0689	0121	182	20	40	0121	0689	1.034	20
50	0683	0151	227	10	50	0151	0683	1.025	10
1 0	−0.0676−	−0.0181+	+0.272−	23 0	7 0	+0.0181+	−0.0676+	+1.014−	17 0
10	0667	0210	316	50	10	0210	0667	1.001	50
20	0657	0239	359	40	20	0239	0657	0.986	40
30	0646	0268	402	30	30	0268	0646	970	30
40	0634	0296	444	20	40	0296	0634	951	20
50	0621	0323	485	10	50	0323	0621	931	10
2 0	−0.0606−	−0.0350+	+0.525−	22 0	8 0	+0.0350+	−0.0606+	+0.909−	16 0
10	0590	0376	564	50	10	0376	0590	885	50
20	0573	0401	602	40	20	0401	0573	860	40
30	0555	0426	639	30	30	0426	0555	833	30
40	0536	0450	675	20	40	0450	0536	804	20
50	0516	0473	709	10	50	0473	0516	774	10
3 0	−0.0495−	−0.0495+	+0.742−	21 0	9 0	+0.0495+	−0.0495+	+0.742−	15 0
10	0473	0516	774	50	10	0516	0473	709	50
20	0450	0536	804	40	20	0536	0450	675	40
30	0426	0555	833	30	30	0555	0426	639	30
40	0401	0573	860	20	40	0573	0401	602	20
50	0376	0590	885	10	50	0590	0376	564	10
4 0	−0.0350−	−0.0606+	+0.909−	20 0	10 0	+0.0606+	−0.0350+	+0.525−	14 0
10	0323	0621	931	50	10	0621	0323	485	50
20	0296	0634	951	40	20	0634	0296	444	40
30	0268	0646	970	30	30	0646	0268	402	30
40	0239	0657	0.986	20	40	0657	0239	359	20
50	0210	0667	1.001	10	50	0667	0210	316	10
5 0	−0.0181−	−0.0676+	+1.014−	19 0	11 0	+0.0676+	−0.0181+	+0.272−	13 0
10	0151	0683	1.025	50	10	0683	0151	227	50
20	0121	0689	1.034	40	20	0689	0121	182	40
30	0091	0694	1.041	30	30	0694	0091	137	30
40	0061	0697	1.045	20	40	0697	0061	092	20
50	0031	0699	1.048	10	50	0699	0031	046	10
6 0	−0.0000−	−0.0700+	+1.049−	18 0	12 0	+0.0700+	−0.0000+	+0.000−	12 0

Für α zwischen 12^h und 24^h gelten die Vorzeichen zur Rechten.

$\Delta\alpha_{1925.0} = \Delta\alpha_{1937.0} + a_1 \cdot \operatorname{tg}\delta \cdot \Delta\alpha^m + a_2 \cdot \frac{1}{15}\sec^2\delta \cdot \Delta\delta'$; $\quad \Delta\delta_{1925.0} = \Delta\delta_{1937.0} + d_1 \cdot \Delta\alpha^m$

$\Delta\alpha^m$ bedeutet die Rektaszensionsdifferenz in Zeitminuten, $\Delta\delta'$ ist die Deklinationsdifferenz in Winkelminuten.

Die Werte von $\operatorname{tg}\delta$ und $\frac{1}{15}\sec^2\delta$ sind auf S. 268* enthalten.

Reduktion vom mittleren Äquinoktium 1925.0 auf das jedesmalige wahre Äquinoktium

0ʰ Welt-Zeit	f	log g	G	0ʰ Welt-Zeit	f	log g	G
1937	s		h m s	1937	s		h m s
Jan. −1	+37.932	2.39342	0 1 22	Mai 15	+38.967	2.40513	0 2 1
+3	37.976	2.39393	0 1 22	19	39.003	2.40553	0 2 6
7	38.020	2.39443	0 1 22	23	39.041	2.40595	0 2 11
11	38.063	2.39492	0 1 22	27	39.079	2.40637	0 2 16
15	38.105	2.39540	0 1 20	31	39.119	2.40681	0 2 21
19	+38.146	2.39586	0 1 18	Juni 4	+39.159	2.40726	0 2 25
23	38.185	2.39631	0 1 16	8	39.200	2.40772	0 2 28
27	38.223	2.39673	0 1 14	12	39.242	2.40818	0 2 32
31	38.259	2.39714	0 1 11	16	39.284	2.40865	0 2 34
Febr. 4	38.293	2.39753	0 1 9	20	39.326	2.40912	0 2 36
8	+38.326	2.39791	0 1 6	24	+39.368	2.40959	0 2 38
12	38.358	2.39826	0 1 4	28	39.411	2.41005	0 2 39
16	38.388	2.39860	0 1 2	Juli 2	39.453	2.41051	0 2 40
20	38.416	2.39892	0 1 0	6	39.494	2.41097	0 2 40
24	38.443	2.39923	0 0 58	10	39.535	2.41142	0 2 40
28	+38.469	2.39952	0 0 57	14	+39.575	2.41186	0 2 39
März 4	38.494	2.39980	0 0 56	18	39.614	2.41229	0 2 38
8	38.518	2.40007	0 0 55	22	39.653	2.41271	0 2 36
12	38.541	2.40033	0 0 56	26	39.690	2.41312	0 2 34
16	38.564	2.40059	0 0 56	30	39.726	2.41351	0 2 32
20	+38.586	2.40084	0 0 58	Aug. 3	+39.760	2.41389	0 2 30
24	38.608	2.40109	0 1 0	7	39.793	2.41425	0 2 28
28	38.631	2.40135	0 1 2	11	39.825	2.41459	0 2 26
April 1	38.654	2.40161	0 1 5	15	39.856	2.41492	0 2 24
5	38.677	2.40187	0 1 8	19	39.885	2.41524	0 2 22
9	+38.701	2.40214	0 1 13	23	+39.913	2.41554	0 2 20
13	38.726	2.40242	0 1 17	27	39.939	2.41583	0 2 18
17	38.752	2.40271	0 1 22	31	39.965	2.41611	0 2 17
21	38.779	2.40301	0 1 27	Sept. 4	39.989	2.41638	0 2 16
25	38.807	2.40332	0 1 32	8	40.013	2.41663	0 2 15
29	+38.836	2.40365	0 1 38	12	+40.036	2.41688	0 2 15
Mai 3	38.867	2.40400	0 1 44	16	40.058	2.41712	0 2 15
7	38.899	2.40436	0 1 49	20	40.080	2.41736	0 2 16
11	38.933	2.40474	0 1 55	24	40.101	2.41759	0 2 17
15	+38.967	2.40513	0 2 1	28	+40.123	2.41782	0 2 19

Reduktionsgrößen 1937

Reduktion vom mittleren Äquinoktium 1925.0 auf das jedesmalige wahre Äquinoktium

0h Welt-Zeit	f	log g	G	0h Welt-Zeit	f	log g	G
1937	s		h m s	1937	s		h m s
Sept. 28	+40.123	2.41782	0 2 19	Nov. 15	+40.447	2.42135	0 3 14
Okt. 2	40.145	2.41806	0 2 22	19	40.483	2.42174	0 3 19
6	40.167	2.41831	0 2 25	23	40.521	2.42214	0 3 24
10	40.190	2.41856	0 2 28	27	40.560	2.42256	0 3 29
14	40.213	2.41882	0 2 32	Dez. 1	40.600	2.42299	0 3 34
18	+40.238	2.41908	0 2 36	5	+40.641	2.42343	0 3 38
22	40.264	2.41935	0 2 41	9	40.683	2.42388	0 3 41
26	40.291	2.41964	0 2 46	13	40.726	2.42434	0 3 44
30	40.319	2.41995	0 2 52	17	40.769	2.42480	0 3 47
Nov. 3	40.349	2.42027	0 2 57	21	40.813	2.42527	0 3 49
7	+40.380	2.42061	0 3 3	25	+40.857	2.42574	0 3 50
11	40.413	2.42097	0 3 8	29	40.901	2.42620	0 3 51
15	+40.447	2.42135	0 3 14	33	+40.944	2.42666	0 3 51

Die mit den vorstehend gegebenen Größen f, log g und G berechnete Reduktion vom mittleren Äquinoktium 1925.0 auf das wahre Äquinoktium der Epoche bedarf noch einer Verbesserung, die von dem Einfluß der Variatio saecularis herrührt und auf S. 273* enthalten ist. Es wird somit:

$$\text{Red. in } \alpha = f + {}^1/_{15}\, g \sin(G+\alpha)\, \mathrm{tg}\,\delta + \text{Korr. nach S. } 273^*$$
$$\text{Red. in } \delta = g \cos(G+\alpha) + \text{Korr. nach S. } 273^*$$

Korrektion der Reduktion vom mittleren Äquinoktium 1925.0 auf das jedesmalige wahre Äquinoktium (s. S. 271*—272*), berechnet für 1937.0, mit Hinzufügung ihrer einjährigen Änderung.

α	δ +60°		+50°		+30°		+10°		−10°		−30°		−50°		−60°	
Für Rektaszension (in 0.s001)																
0^h	+39	+6	+27	+5	+14	+2	+5	+1	−2	0	−11	−2	−24	−4	−36	−6
1	+53	+9	+35	+6	+17	+3	+7	+1	0	0	−7	−1	−14	−2	−18	−3
2	+62	+10	+39	+6	+19	+3	+9	+1	+2	0	−3	0	−5	−1	−2	0
3	+60	+10	+37	+6	+18	+3	+9	+1	+4	+1	+1	0	+2	0	+8	+1
4	+48	+8	+29	+5	+14	+2	+7	+1	+4	+1	+2	0	+5	+1	+12	+2
5	+27	+4	+16	+3	+8	+1	+5	+1	+3	0	+2	0	+4	+1	+9	+1
6	+1	0	+1	0	+1	0	+1	0	+1	0	+2	0	+2	0	+2	0
7	−25	−4	−15	−2	−6	−1	−2	0	0	0	+1	0	−1	0	−5	−1
8	−46	−8	−27	−5	−12	−2	−5	−1	−1	0	+1	0	−1	0	−8	−1
9	−58	−10	−35	−6	−15	−3	−6	−1	−1	0	+3	0	+2	0	−5	−1
10	−60	−10	−37	−6	−16	−3	−6	−1	0	0	+5	+1	+8	+1	+6	+1
11	−51	−9	−32	−5	−15	−2	−5	−1	+3	0	+10	+2	+17	+3	+21	+4
12	−36	−6	−24	−4	−11	−2	−2	0	+5	+1	+14	+2	+27	+5	+39	+6
13	−18	−3	−14	−2	−7	−1	0	0	+7	+1	+17	+3	+35	+6	+53	+9
14	−2	0	−5	−1	−3	0	+2	0	+9	+1	+19	+3	+39	+6	+62	+10
15	+8	+1	+2	0	+1	0	+4	+1	+9	+1	+18	+3	+37	+6	+60	+10
16	+12	+2	+5	+1	+2	0	+4	+1	+7	+1	+14	+2	+29	+5	+48	+8
17	+9	+1	+4	+1	+2	0	+3	0	+5	+1	+8	+1	+16	+3	+27	+4
18	+2	0	+2	0	+2	0	+1	0	+1	0	+1	0	+1	0	+1	0
19	−5	−1	−1	0	+1	0	0	0	−2	0	−6	−1	−15	−2	−25	−4
20	−8	−1	−1	0	+1	0	−1	0	−5	−1	−12	−2	−27	−5	−46	−8
21	−5	−1	+2	0	+3	0	−1	0	−6	−1	−15	−3	−35	−6	−58	−10
22	+6	+1	+8	+1	+5	+1	0	0	−6	−1	−16	−3	−37	−6	−60	−10
23	+21	+4	+17	+3	+10	+2	+3	0	−5	−1	−15	−2	−32	−5	−51	−9
24	+39	+6	+27	+5	+14	+2	+5	+1	−2	0	−11	−2	−24	−4	−36	−6
Für Deklination (in 0.″01)																
0^h	−1	0	−1	0	−1	0	−1	0	−1	0	−1	0	−1	0	−1	0
1	−11	−2	−10	−2	−10	−2	−9	−2	−9	−1	−8	−1	−8	−1	−7	−1
2	−23	−4	−21	−3	−19	−3	−17	−3	−16	−3	−15	−2	−12	−2	−11	−2
3	−35	−6	−32	−5	−27	−5	−24	−4	−22	−4	−19	−3	−15	−2	−11	−2
4	−46	−8	−41	−7	−34	−6	−30	−5	−26	−4	−22	−4	−16	−3	−10	−2
5	−54	−9	−47	−8	−39	−6	−34	−6	−29	−5	−24	−4	−16	−3	−9	−1
6	−57	−9	−49	−8	−40	−7	−35	−6	−30	−5	−24	−4	−16	−3	−8	−1
7	−54	−9	−47	−8	−39	−6	−33	−6	−29	−5	−23	−4	−15	−3	−8	−1
8	−46	−8	−40	−7	−34	−6	−29	−5	−26	−4	−22	−4	−15	−3	−9	−2
9	−34	−6	−31	−5	−26	−4	−24	−4	−21	−4	−18	−3	−14	−2	−10	−2
10	−22	−4	−20	−3	−18	−3	−16	−3	−15	−2	−14	−2	−11	−2	−10	−2
11	−9	−2	−9	−1	−8	−1	−8	−1	−8	−1	−7	−1	−7	−1	−6	−1
12	+1	0	+1	0	+1	0	+1	0	+1	0	+1	0	+1	0	+1	0
13	+7	+1	+8	+1	+8	+1	+9	+1	+9	+2	+10	+2	+10	+2	+11	+2
14	+11	+2	+12	+2	+15	+2	+16	+3	+17	+3	+19	+3	+21	+3	+23	+4
15	+11	+2	+15	+2	+19	+3	+22	+4	+24	+4	+27	+5	+32	+5	+35	+6
16	+10	+2	+16	+3	+22	+4	+26	+4	+30	+5	+34	+6	+41	+7	+46	+8
17	+9	+1	+16	+3	+24	+4	+29	+5	+34	+6	+39	+6	+47	+8	+54	+9
18	+8	+1	+16	+3	+24	+4	+30	+5	+35	+6	+40	+7	+49	+8	+57	+9
19	+8	+1	+15	+3	+23	+4	+29	+5	+33	+6	+39	+6	+47	+8	+54	+9
20	+9	+2	+15	+3	+22	+4	+26	+4	+29	+5	+34	+6	+40	+7	+46	+7
21	+10	+2	+14	+2	+18	+3	+21	+4	+24	+4	+26	+4	+31	+5	+34	+6
22	+10	+2	+11	+2	+14	+2	+15	+2	+16	+3	+18	+3	+20	+3	+22	+4
23	+6	+1	+7	+1	+7	+1	+8	+1	+8	+1	+8	+1	+9	+1	+9	+2
24	+1	0	+1	0	+1	0	+1	0	+1	0	+1	0	+1	0	+1	0

α	0h, 12h		1h, 13h		2h, 14h		3h, 15h		4h, 16h		5h, 17h		α
m	−A₁+	−D+	−A₁+	−D+	−A₁+	−D+	−A₁+	−D+	−A₁+	−D+	−A₁+	−D+	m
	s	"	s	"	s	"	s	"	s	"	s	"	
0		240.53	4.130	232.42	7.999	208.47	11.323	170.31	13.876	120.54	15.484	62.57	0
1	0.049	240.52	197	232.15	8.060	207.94	372	169.57	911	119.63	502	61.56	1
2	119	240.52	264	231.87	120	207.41	422	168.82	945	118.72	519	60.54	2
3	188	240.51	332	231.59	180	206.88	471	168.07	13.980	117.80	537	59.52	3
4	258	240.49	399	231.30	240	206.34	519	167.32	14.014	116.89	554	58.50	4
5	328	240.48	466	231.01	300	205.80	568	166.56	048	115.97	571	57.48	5
6	398	240.46	533	230.71	360	205.26	616	165.80	082	115.05	587	56.46	6
7	468	240.43	600	230.41	420	204.71	665	165.04	115	114.13	604	55.44	7
8	538	240.40	667	230.11	479	204.16	713	164.28	148	113.20	620	54.41	8
9	608	240.36	734	229.80	539	203.60	760	163.51	181	112.28	635	53.39	9
10	0.678	240.32	4.801	229.49	8.598	203.04	11.808	162.74	14.214	111.35	15.651	52.37	10
11	748	240.27	868	229.17	657	202.47	855	161.97	246	110.42	666	51.34	11
12	818	240.22	4.934	228.85	716	201.90	902	161.19	278	109.48	680	50.32	12
13	887	240.16	5.001	228.53	774	201.33	949	160.41	309	108.55	695	49.29	13
14	0.957	240.10	067	228.20	833	200.75	11.996	159.63	341	107.61	709	48.27	14
15	1.027	240.04	134	227.87	891	200.17	12.042	158.84	372	106.67	723	47.24	15
16	097	239.97	200	227.53	8.949	199.59	088	158.05	403	105.73	736	46.21	16
17	167	239.89	266	227.19	9.007	199.00	134	157.26	433	104.78	750	45.18	17
18	236	239.81	332	226.84	065	198.41	179	156.46	464	103.84	763	44.15	18
19	306	239.73	398	226.49	123	197.82	225	155.66	494	102.89	775	43.12	19
20	1.376	239.64	5.464	226.13	9.180	197.22	12.270	154.86	14.524	101.94	15.788	42.09	20
21	446	239.55	530	225.77	237	196.62	315	154.06	553	100.99	800	41.05	21
22	515	239.45	595	225.41	295	196.01	359	153.25	583	100.04	811	40.02	22
23	585	239.35	661	225.04	352	195.40	404	152.44	612	99.08	823	38.98	23
24	654	239.24	726	224.67	408	194.79	448	151.63	640	98.13	834	37.95	24
25	724	239.13	792	224.29	465	194.17	492	150.81	669	97.17	845	36.91	25
26	794	239.01	857	223.91	521	193.55	536	149.99	697	96.21	855	35.87	26
27	863	238.89	922	223.52	578	192.92	579	149.16	725	95.25	866	34.83	27
28	1.933	238.77	5.987	223.13	634	192.29	623	148.34	752	94.28	876	33.80	28
29	2.002	238.64	6.052	222.74	689	191.66	666	147.51	780	93.32	885	32.76	29
30	2.072	238.51	6.117	222.34	9.745	191.02	12.709	146.68	14.807	92.35	15.895	31.72	30
31	141	238.37	182	221.94	800	190.38	751	145.85	833	91.38	904	30.68	31
32	210	238.23	246	221.53	856	189.74	794	145.01	860	90.41	912	29.64	32
33	280	238.08	310	221.12	911	189.09	836	144.17	886	89.43	921	28.59	33
34	349	237.93	374	220.71	9.965	188.44	877	143.33	911	88.46	929	27.55	34
35	418	237.78	438	220.29	10.020	187.79	919	142.49	937	87.48	937	26.51	35
36	487	237.62	502	219.87	075	187.13	12.960	141.64	962	86.50	944	25.47	36
37	556	237.45	566	219.44	129	186.47	13.001	140.79	14.987	85.52	952	24.42	37
38	625	237.28	630	219.01	183	185.81	042	139.94	15.012	84.54	959	23.38	38
39	694	237.11	694	218.57	237	185.14	083	139.09	037	83.56	965	22.33	39
40	2.763	236.93	6.757	218.13	10.291	184.47	13.123	138.23	15.061	82.57	15.972	21.29	40
41	832	236.75	821	217.69	345	183.79	163	137.37	085	81.58	978	20.24	41
42	901	236.56	884	217.24	398	183.11	203	136.50	108	80.60	984	19.19	42
43	2.969	236.37	6.947	216.79	451	182.43	242	135.64	132	79.61	990	18.15	43
44	3.038	236.17	7.010	216.33	504	181.74	282	134.77	155	78.61	15.995	17.10	44
45	107	235.97	073	215.87	557	181.05	321	133.90	178	77.62	16.000	16.05	45
46	176	235.76	136	215.40	609	180.36	360	133.03	200	76.63	005	15.00	46
47	244	235.55	198	214.93	662	179.66	398	132.15	222	75.63	009	13.95	47
48	313	235.34	261	214.46	714	178.96	437	131.27	244	74.64	013	12.91	48
49	381	235.12	323	213.98	765	178.26	475	130.39	266	73.64	016	11.86	49
50	3.450	234.90	7.385	213.50	10.817	177.55	13.513	129.51	15.287	72.64	16.019	10.81	50
51	518	234.67	447	213.01	869	176.84	550	128.62	308	71.64	022	9.76	51
52	586	234.44	509	212.52	920	176.13	588	127.74	328	70.64	025	8.71	52
53	655	234.20	571	212.03	10.971	175.41	625	126.85	349	69.63	027	7.67	53
54	723	233.96	633	211.53	11.022	174.69	661	125.95	369	68.63	029	6.62	54
55	791	233.72	694	211.03	073	173.97	698	125.06	389	67.62	031	5.57	55
56	859	233.47	755	210.53	123	173.25	734	124.16	408	66.61	033	4.52	56
57	927	233.21	817	210.02	174	172.52	770	123.26	428	65.61	034	3.47	57
58	3.994	232.95	878	209.51	224	171.79	805	122.35	447	64.60	035	2.42	58
59	4.062	232.69	938	208.99	273	171.05	841	121.45	465	63.58	035	1.37	59
60	4.130	232.42	7.999	208.47	11.323	170.31	13.876	120.54	15.484	62.57	16.035	0.32	60

α	6h, 18h		7h, 19h		8h, 20h		9h, 21h		10h, 22h		11h, 23h		α
m	$-A_1+$	$+D-$	$-A_1+$	$+D-$	$-A_1+$	$+D-$	$-A_1+$	$+D-$	$-A_1+$	$+D-$	$-A_1+$	$+D-$	m
	s	"	s	"	s	"	s	"	s	"	s	"	
0	16.035	"	15.495	61.94	13.898	119.98	11.354	169.85	8.036	208.14	4.171	232.25	0
1	035	0.73	477	62.96	863	120.89	304	170.59	7.976	208.66	103	232.52	1
2	035	1.78	458	63.97	827	121.79	255	171.33	915	209.18	4.035	232.79	2
3	034	2.82	439	64.98	792	122.70	205	172.06	854	209.70	3.968	233.05	3
4	033	3.87	420	65.99	756	123.60	154	172.79	793	210.21	900	233.31	4
5	032	4.92	401	67.00	720	124.50	104	173.52	732	210.72	832	233.56	5
6	031	5.97	381	68.01	684	125.40	053	174.25	671	211.22	764	233.81	6
7	029	7.02	361	69.01	647	126.29	11.003	174.97	609	211.72	696	234.05	7
8	027	8.07	341	70.02	610	127.18	10.952	175.69	548	212.22	628	234.29	8
9	024	9.12	321	71.02	573	128.07	900	176.41	486	212.71	560	234.53	9
10	16.021	10.17	15.300	72.02	13.536	128.96	10.849	177.12	7.424	213.20	3.492	234.76	10
11	018	11.22	279	73.02	498	129.84	797	177.83	362	213.68	424	234.99	11
12	015	12.27	257	74.02	460	130.73	746	178.54	300	214.16	355	235.21	12
13	011	13.31	235	75.02	422	131.61	694	179.24	237	214.64	287	235.43	13
14	007	14.36	213	76.02	384	132.48	641	179.94	175	215.11	218	235.64	14
15	16.002	15.41	191	77.01	345	133.36	589	180.63	112	215.58	150	235.85	15
16	15.998	16.46	168	78.00	306	134.23	536	181.32	7.049	216.04	081	236.05	16
17	993	17.50	146	79.00	267	135.10	484	182.01	6.986	216.50	3.012	236.25	17
18	988	18.55	123	79.99	227	135.97	431	182.69	923	216.96	2.944	236.44	18
19	982	19.59	099	80.97	188	136.84	377	183.37	860	217.41	875	236.63	19
20	15.976	20.64	15.076	81.96	13.148	137.70	10.324	184.05	6.796	217.86	2.806	236.82	20
21	970	21.68	052	82.95	108	138.56	270	184.72	733	218.30	737	237.00	21
22	964	22.73	027	83.93	067	139.41	217	185.39	669	218.74	668	237.18	22
23	957	23.77	15.003	84.92	13.026	140.27	163	186.06	606	219.17	599	237.35	23
24	950	24.82	14.978	85.90	12.985	141.12	108	186.72	542	219.60	530	237.52	24
25	942	25.86	953	86.88	944	141.97	10.054	187.38	478	220.03	461	237.68	25
26	935	26.90	927	87.86	903	142.81	9.999	188.04	414	220.45	392	237.84	26
27	927	27.94	902	88.83	861	143.66	945	188.69	350	220.87	322	237.99	27
28	919	28.99	876	89.81	819	144.50	890	189.34	285	221.28	253	238.14	28
29	910	30.03	849	90.78	777	145.33	834	189.99	221	221.69	183	238.29	29
30	15.901	31.07	14.823	91.75	12.735	146.17	9.779	190.63	6.156	222.10	2.114	238.43	30
31	892	32.11	796	92.72	692	147.00	723	191.27	092	222.50	2.045	238.57	31
32	883	33.15	769	93.69	649	147.83	668	191.90	6.027	222.90	1.975	238.70	32
33	873	34.19	741	94.65	606	148.65	612	192.53	5.962	223.29	906	238.83	33
34	863	35.23	714	95.62	563	149.48	555	193.16	897	223.68	836	238.95	34
35	852	36.27	686	96.58	519	150.30	499	193.78	832	224.06	767	239.07	35
36	841	37.31	658	97.54	475	151.12	443	194.40	767	224.44	697	239.18	36
37	830	38.34	629	98.50	431	151.93	386	195.02	702	224.81	628	239.29	37
38	819	39.38	600	99.45	387	152.74	329	195.63	636	225.18	558	239.39	38
39	807	40.41	571	100.41	343	153.55	272	196.24	571	225.55	489	239.49	39
40	15.795	41.45	14.542	101.36	12.298	154.36	9.215	196.85	5.505	225.91	1.419	239.59	40
41	783	42.48	512	102.31	253	155.16	158	197.45	439	226.27	349	239.68	41
42	770	43.51	482	103.26	207	155.96	100	198.05	374	226.62	279	239.76	42
43	757	44.55	452	104.20	162	156.76	9.043	198.64	308	226.97	210	239.84	43
44	744	45.58	422	105.15	116	157.56	8.985	199.23	241	227.32	140	239.92	44
45	731	46.61	391	106.09	070	158.35	927	199.82	175	227.66	070	239.99	45
46	717	47.64	360	107.03	12.024	159.14	869	200.40	109	228.00	1.000	240.06	46
47	703	48.67	328	107.97	11.977	159.93	810	200.98	5.043	228.33	0.930	240.12	47
48	689	49.69	297	108.91	931	160.71	752	201.55	4.976	228.66	861	240.18	48
49	675	50.72	265	109.85	884	161.49	693	202.12	910	228.98	791	240.24	49
50	15.660	51.75	14.233	110.78	11.837	162.26	8.634	202.69	4.843	229.30	0.721	240.29	50
51	645	52.78	201	111.71	790	163.03	575	203.25	776	229.61	651	240.33	51
52	629	53.80	168	112.64	742	163.80	516	203.81	709	229.92	581	240.37	52
53	613	54.82	135	113.56	694	164.57	456	204.36	642	230.23	511	240.41	53
54	597	55.84	102	114.49	646	165.33	397	204.91	575	230.53	441	240.44	54
55	581	56.86	069	115.41	598	166.09	337	205.46	508	230.83	371	240.47	55
56	564	57.88	035	116.33	550	166.85	277	206.00	441	231.12	301	240.49	56
57	547	58.90	14.001	117.24	501	167.61	217	206.54	373	231.41	231	240.51	57
58	530	59.91	13.967	118.16	452	168.36	157	207.08	306	231.69	161	240.52	58
59	513	60.93	933	119.07	403	169.11	097	207.61	238	231.97	091	240.53	59
60	15.495	61.94	13.898	119.98	11.354	169.85	8.036	208.14	4.171	232.25	0.021	240.53	60

Reduktionsgrößen 1937

Übertragung von Sternörtern vom mittleren Äquinoktium 1937.0 auf das Normaläquinoktium 1925.0

α	A	A_2	D_1	α	α	A	A_2	D_1	α
h m	s	s	"	h m	h m	s	s	"	h m
0 0	−36.875	+0.0000	−0.000	12 0	6 0	−36.875	−0.0000	−0.140	18 0
10	875	08	000	10	10	875	08	140	10
20	874	16	001	20	20	876	16	139	20
30	874	24	002	30	30	876	24	138	30
40	873	32	004	40	40	877	32	136	40
50	873	39	007	50	50	877	39	134	50
1 0	−36.873	+0.0047	−0.009	13 0	7 0	−36.877	−0.0047	−0.131	19 0
10	872	54	013	10	10	878	54	127	10
20	872	60	016	20	20	878	60	124	20
30	872	66	020	30	30	878	66	119	30
40	871	72	025	40	40	879	72	115	40
50	871	77	030	50	50	879	77	110	50
2 0	−36.871	+0.0081	−0.035	14 0	8 0	−36.879	−0.0081	−0.105	20 0
10	871	85	040	10	10	879	85	100	10
20	871	88	046	20	20	879	88	094	20
30	870	90	052	30	30	880	90	088	30
40	870	92	058	40	40	880	92	082	40
50	870	93	064	50	50	880	93	076	50
3 0	−36.870	+0.0093	−0.070	15 0	9 0	−36.880	−0.0093	−0.070	21 0
10	870	93	076	10	10	880	93	064	10
20	870	92	082	20	20	880	92	058	20
30	870	90	088	30	30	880	90	052	30
40	871	88	094	40	40	879	88	046	40
50	871	85	100	50	50	879	85	040	50
4 0	−36.871	+0.0081	−0.105	16 0	10 0	−36.879	−0.0081	−0.035	22 0
10	871	77	110	10	10	879	77	030	10
20	871	72	115	20	20	879	72	025	20
30	872	66	119	30	30	878	66	020	30
40	872	60	124	40	40	878	60	016	40
50	872	54	127	50	50	878	54	013	50
5 0	−36.873	+0.0047	−0.131	17 0	11 0	−36.877	−0.0047	−0.009	23 0
10	873	39	134	10	10	877	39	007	10
20	873	32	136	20	20	877	32	004	20
30	874	24	138	30	30	876	24	002	30
40	874	16	139	40	40	876	16	001	40
50	875	08	140	50	50	875	08	000	50
6 0	−36.875	+0.0000	−0.140	18 0	12 0	−36.875	−0.0000	−0.000	24 0

$$\alpha_{1925} = \alpha_{1937} + A + A_1 \operatorname{tg} \delta_{1937} + A_2 \operatorname{tg}^2 \delta_{1937}$$
$$\delta_{1925} = \delta_{1937} + D + D_1 \operatorname{tg} \delta_{1937}$$

A_1 und D sind aus der Tafel (S. 274* u. 275*) mit dem Argument α_{1937} zu entnehmen; für die Werte von α zwischen 0^h und 12^h gelten die Vorzeichen zur Linken, für die Werte von α zwischen 12^h und 24^h die Vorzeichen zur Rechten.

Finsternisse, Merkurdurchgang, Sternbedeckungen, Mösting A, Trabanten

Konstellationen, Hilfstafeln

1937

Im Jahre 1937 finden zwei Sonnenfinsternisse und eine Mondfinsternis statt.

I. Totale Sonnenfinsternis 1937 Juni 8 unsichtbar in Berlin.

Konjunktion in Rektaszension	Juni 8, 20ʰ 40ᵐ 41ˢ.1 Welt-Zeit
Rektaszension des Mondes	5ʰ 6ᵐ 6ˢ.51
Stündliche Änderung	2 44.13
Rektaszension der Sonne	5 6 6.51
Stündliche Änderung	10.34
Deklination des Mondes	+22° 38′ 21″.5
Stündliche Änderung	+ 1.2
Deklination der Sonne	+22 52 6.6
Stündliche Änderung	+ 13.3
Äquatorialhorizontalparallaxe des Mondes .	1° 1′ 8″.1
„ der Sonne .	8.7
Halbmesser des Mondes	16′ 38″.7
„ der Sonne	15 45.2

	Welt-Zeit	Westl. Länge v. Greenwich	Geogr. Breite
Anfang der Finsternis	Juni 8, 18ʰ 4ᵐ.4	178° 10′	− 7° 35′
Beginn der zentralen Verfinsterung .	„ „ 19 0.1	190 16	−11 47
Zentrale Verfinsterung im wahren Mittag	„ „ 20 40.7	130 27	+ 9 54
Ende der zentralen Verfinsterung . .	„ „ 22 21.0	70 51	−12 23
Ende der Finsternis	„ „ 23 16.7	82 56	− 8 11

Verlauf der Zentrallinie

Welt-Zeit	Westl. Länge v. Greenwich	Geogr. Breite	Dauer der Totalität	Welt-Zeit	Westl. Länge v. Greenwich	Geogr. Breite	Dauer der Totalität
h m	° ′	° ′	m s	h m	° ′	° ′	m s
19 0.1	190 16	−11 47	—	21 0	124 20.2	+ 9 25.4	6 55.4
19 20	161 46.9	+ 1 17.1	4 53.4	21 20	117 38.3	+ 8 0.3	6 30.0
19 40	151 31.8	+ 5 37.1	5 49.0	21 40	109 59.2	+ 5 26.7	5 49.8
20 0	143 46.0	+ 8 8.1	6 29.6	22 0	99 59.6	+ 1 8.0	4 55.0
20 20	137 0.8	+ 9 29.5	6 55.2	22 20	77 56.5	− 9 16.0	3 24.7
20 40	130 40.0	+ 9 54.1	7 4.0	22 21.0	70 51	−12 23	—
21 0	124 20.2	+ 9 25.4	6 55.4				

Die Finsternis ist sichtbar in Polynesien, im Stillen Ozean mit Ausnahme des nördlichen und westlichen Teils, im Südwesten Nordamerikas, in Mittelamerika, auf den Antillen und im nordwestlichen und westlichen Südamerika.

Elemente der totalen Sonnenfinsternis 1937 Juni 8

Welt-Zeit	x	y	log sin d	log cos d	μ	$l^{(a)}$	$l^{(i)}$
h m					° ′ ″		
18 0	−1.558079	−0.217632	9.589354	9.964477	90 16 54.4	+0.531032	−0.014810
10	1.461132	0.218056	9.589365	9.964475	92 46 54.1	0.531050	0.014793
20	1.364182	0.218490	9.589376	9.964473	95 16 53.8	0.531067	0.014776
30	1.267229	0.218932	9.589387	9.964471	97 46 53.5	0.531083	0.014760
40	1.170272	0.219383	9.589398	9.964470	100 16 53.2	0.531098	0.014745
50	1.073313	0.219843	9.589409	9.964468	102 46 53.0	0.531113	0.014730
19 0	−0.976351	−0.220311	9.589420	9.964466	105 16 52.7	+0.531127	−0.014716
10	0.879387	0.220788	9.589431	9.964464	107 46 52.4	0.531140	0.014703
20	0.782422	0.221274	9.589442	9.964462	110 16 52.1	0.531153	0.014690
30	0.685454	0.221768	9.589453	9.964460	112 46 51.8	0.531165	0.014678
40	0.588484	0.222271	9.589465	9.964458	115 16 51.5	0.531176	0.014667
50	0.491513	0.222783	9.589476	9.964456	117 46 51.2	0.531187	0.014657
20 0	−0.394542	−0.223303	9.589487	9.964454	120 16 50.9	+0.531197	−0.014647
10	0.297569	0.223832	9.589498	9.964452	122 46 50.6	0.531206	0.014638
20	0.200595	0.224369	9.589509	9.964450	125 16 50.4	0.531214	0.014630
30	0.103622	0.224914	9.589520	9.964448	127 46 50.1	0.531222	0.014622
40	−0.006649	0.225468	9.589531	9.964446	130 16 49.8	0.531229	0.014615
50	+0.090325	0.226031	9.589542	9.964444	132 46 49.5	0.531235	0.014609
21 0	+0.187298	−0.226602	9.589553	9.964442	135 16 49.2	+0.531240	−0.014603
10	0.284270	0.227182	9.589564	9.964440	137 46 48.9	0.531245	0.014598
20	0.381242	0.227770	9.589575	9.964438	140 16 48.6	0.531249	0.014594
30	0.478212	0.228367	9.589586	9.964436	142 46 48.3	0.531252	0.014591
40	0.575180	0.228973	9.589598	9.964434	145 16 48.0	0.531255	0.014588
50	0.672146	0.229587	9.589609	9.964432	147 46 47.8	0.531257	0.014586
22 0	+0.769110	−0.230210	9.589620	9.964430	150 16 47.5	+0.531259	−0.014585
10	0.866071	0.230842	9.589631	9.964428	152 46 47.2	0.531260	0.014584
20	0.963029	0.231482	9.589642	9.964426	155 16 46.9	0.531260	0.014584
30	1.059984	0.232131	9.589653	9.964424	157 46 46.6	0.531259	0.014585
40	1.156935	0.232789	9.589664	9.964422	160 16 46.3	0.531257	0.014586
50	1.253882	0.233455	9.589675	9.964420	162 46 46.0	0.531255	0.014588
23 0	+1.350827	−0.234130	9.589686	9.964418	165 16 45.7	+0.531252	−0.014591
10	1.447767	0.234813	9.589697	9.964416	167 46 45.4	0.531248	0.014595
20	+1.544702	−0.235505	9.589708	9.964414	170 16 45.1	+0.531244	−0.014599

Welt-Zeit	x'	y'	log tang $f^{(a)}$	log tang $f^{(i)}$
h m				
18 0	+0.0096945	−0.0000420	7.66322	7.66105
19 0	0.0096963	0.0000472	7.66322	7.66105
20 0	0.0096972	0.0000524	7.66322	7.66105
21 0	0.0096972	0.0000576	7.66322	7.66105
22 0	0.0096962	0.0000627	7.66321	7.66105
23 0	0.0096942	0.0000679	7.66321	7.66104
24 0	+0.0096912	−0.0000730	7.66321	7.66104

II. Partielle Mondfinsternis 1937 November 18 unsichtbar in Berlin.

Opposition in Rektaszension . . . . November 18, $8^h\,32^m\,56^s.4$ Welt-Zeit

Rektaszension des Mondes	$3^h\,33^m\,2^s.20$
Stündliche Änderung	2 40.16
Rektaszension der Sonne	15 33 2.20
Stündliche Änderung	10.37
Deklination des Mondes	$+20^\circ\,8'\,9''.4$
Stündliche Änderung	+ 5 39.7
Deklination der Sonne	−19 9 52.5
Stündliche Änderung	− 0 36.0
Äquatorialhorizontalparallaxe des Mondes .	$1^\circ\,1'\,15''.1$
„ der Sonne . .	8.9
Halbmesser des Mondes	$16'\,40''.6$
„ der Sonne	16 11.0

Eintritt des Mondes in den Halbschatten	November 18,	$6^h\,9^m.1$	Welt-Zeit
Eintritt des Mondes in den Kernschatten .	„ „	7 37.1	„
Mitte der Finsternis	„ „	8 18.8	„
Austritt des Mondes aus dem Kernschatten	„ „	9 0.5	„
Austritt des Mondes aus dem Halbschatten	„ „	10 28.7	„

Der Mond steht zu den Zeiten der ersten und letzten Berührung mit dem Kernschatten im Zenit der Orte, deren geographische Lage ist:

118° 33′ westliche Länge von Greenwich, 20° 3′ nördliche Breite
138° 33′ „ „ „ „ 20° 11′ „ „

Positionswinkel des Eintritts . . . . = 149°
„ „ Austritts . . . . = 195°

Größe der Finsternis in Einheiten des Monddurchmessers . = 0.150

Der Anfang der Finsternis ist sichtbar im äußersten Norden und Nordwesten Europas, in Groß-Britannien, im nördlichen Eismeer, im nördlichen Teil des Atlantischen Ozeans, in Nord- und Südamerika, im Stillen Ozean und im Nordosten Asiens. Das Ende ist sichtbar im nördlichen Eismeer, im nördlichen Atlantischen Ozean mit Ausnahme seines östlichen Teiles, in Nordamerika, in Südamerika mit Ausnahme des östlichen Teiles, im Stillen Ozean, im Osten Australiens und in Nordost- und Inner-Asien.

III. Ringförmige Sonnenfinsternis 1937 Dezember 2—3 unsichtbar in Berlin.

Konjunktion in Rektaszension	Dezember 2,	23h 2m 56.8s Welt-Zeit
Rektaszension des Mondes		16h 35m 1.74s
Stündliche Änderung		2 7.22
Rektaszension der Sonne		16 35 1.74
Stündliche Änderung		10.83
Deklination des Mondes		−21° 36′ 57″.8
Stündliche Änderung		— 1 33.1
Deklination der Sonne		−22 0 35.8
Stündliche Änderung		— 21.9
Äquatorialhorizontalparallaxe des Mondes		53′ 57″.7
„ der Sonne .		8.9
Halbmesser des Mondes		14′ 41″.5
„ der Sonne		16 13.6

		Welt-Zeit	Westl. Länge v. Greenwich	Geogr. Breite
		h m	° ′	° ′
Anfang der Finsternis	Dezember	2, 20 5.0	206 35	+17 25
Beginn der zentralen Verfinsterung	„	2, 21 18.1	220 35	+26 22
Zentrale Verfinsterung im wahren Mittag	„	2, 23 2.9	168 21	+ 4 4
Ende der zentralen Verfinsterung .	„	3, 0 52.4	115 0	+21 47
Ende der Finsternis	„	3, 2 5.5	129 14	+12 46

Verlauf der Zentrallinie

Welt-Zeit	Westl. Länge v. Greenwich	Geogr. Breite	Dauer d. ringförm. Verfinst.	Welt-Zeit	Westl. Länge v. Greenwich	Geogr. Breite	Dauer d. ringförm. Verfinst.
h m	° ′	° ′	m s	h m	° ′	° ′	m s
21 18.1	220 35	+26 22	—	23 0	169 1.5	+ 4 8.7	11 58.7
21 20	211 33.7	+22 31.6	7 43.8	23 20	164 22.4	+ 3 54.8	11 55.7
21 40	193 13.0	+13 29.7	9 13.0	23 40	159 27.9	+ 4 23.3	11 31.8
22 0	184 55.0	+ 9 22.2	10 14.9	0 0	153 53.7	+ 5 40.9	10 49.8
22 20	178 51.1	+ 6 44.6	11 4.9	0 20	146 54.5	+ 8 5.7	9 53.2
22 40	173 44.2	+ 5 4.0	11 40.9	0 40	136 10.4	+12 38.5	8 41.6
23 0	169 1.5	+ 4 8.7	11 58.7	0 52.4	115 0	+21 47	—

Die Finsternis ist sichtbar an der Ostküste Asiens, auf den japanischen Inseln, auf den Philippinen, auf den östlichen Sunda-Inseln, auf Neu-Guinea, in Polynesien, im Stillen Ozean mit Ausnahme des südöstlichen Teils und im Westen Nordamerikas.

Sonnen- und Mondfinsternisse 1937

Elemente der ringförmigen Sonnenfinsternis 1937 Dezember 2—3

Welt-Zeit	x	y	log sin d	log cos d	μ	$l^{(a)}$	$l^{(i)}$
h m					° ′ ″		
20 0	−1.532633	+0.507527	9.573436n	9.967188	122 36 54.8	+0.574421	+0.028362
10	1.448871	0.503729	9.573455n	9.967185	125 6 53.2	0.574433	0.028375
20	1.365108	0.499938	9.573474n	9.967182	127 36 51.6	0.574445	0.028387
30	1.281343	0.496154	9.573493n	9.967179	130 6 49.9	0.574457	0.028398
40	1.197576	0.492377	9.573512n	9.967176	132 36 48.3	0.574468	0.028409
50	1.113807	0.488608	9.573531n	9.967173	135 6 46.7	0.574479	0.028420
21 0	−1.030036	+0.484846	9.573550n	9.967170	137 36 45.1	+0.574488	+0.028429
10	0.946264	0.481091	9.573569n	9.967167	140 6 43.5	0.574497	0.028438
20	0.862490	0.477343	9.573588n	9.967164	142 36 41.8	0.574506	0.028447
30	0.778714	0.473602	9.573607n	9.967161	145 6 40.2	0.574514	0.028455
40	0.694937	0.469868	9.573626n	9.967158	147 36 38.5	0.574522	0.028463
50	0.611159	0.466142	9.573645n	9.967155	150 6 36.9	0.574530	0.028471
22 0	−0.527380	+0.462423	9.573664n	9.967152	152 36 35.3	+0.574536	+0.028477
10	0.443600	0.458711	9.573683n	9.967149	155 6 33.7	0.574542	0.028483
20	0.359819	0.455006	9.573702n	9.967146	157 36 32.1	0.574548	0.028489
30	0.276037	0.451308	9.573720n	9.967142	160 6 30.4	0.574553	0.028493
40	0.192255	0.447617	9.573739n	9.967139	162 36 28.8	0.574557	0.028497
50	0.108472	0.443933	9.573758n	9.967136	165 6 27.2	0.574561	0.028501
23 0	−0.024689	+0.440257	9.573777n	9.967133	167 36 25.6	+0.574564	+0.028505
10	+0.059094	0.436588	9.573796n	9.967130	170 6 24.0	0.574567	0.028508
20	0.142878	0.432928	9.573815n	9.967127	172 36 22.3	0.574569	0.028510
30	0.226662	0.429274	9.573833n	9.967124	175 6 20.7	0.574571	0.028511
40	0.310446	0.425627	9.573852n	9.967121	177 36 19.0	0.574572	0.028512
50	0.394229	0.421988	9.573871n	9.967118	180 6 17.4	0.574573	0.028513
0 0	+0.478011	+0.418355	9.573890n	9.967115	182 36 15.8	+0.574573	+0.028513
10	0.561793	0.414730	9.573909n	9.967112	185 6 14.2	0.574573	0.028513
20	0.645575	0.411111	9.573928n	9.967109	187 36 12.5	0.574572	0.028512
30	0.729356	0.407500	9.573946n	9.967106	190 6 10.9	0.574570	0.028510
40	0.813135	0.403896	9.573965n	9.967102	192 36 9.2	0.574568	0.028508
50	0.896914	0.400299	9.573984n	9.967099	195 6 7.6	0.574565	0.028505
1 0	+0.980691	+0.396709	9.574003n	9.967096	197 36 6.0	+0.574562	+0.028502
10	1.064466	0.393126	9.574022n	9.967093	200 6 4.4	0.574558	0.028499
20	1.148240	0.389549	9.574040n	9.967090	202 36 2.7	0.574553	0.028494
30	1.232011	0.385980	9.574059n	9.967087	205 6 1.1	0.574548	0.028489
40	1.315780	0.382418	9.574078n	9.967084	207 35 59.4	0.574543	0.028484
50	1.399547	0.378862	9.574096n	9.967081	210 5 57.8	0.574537	0.028478
2 0	+1.483312	+0.375314	9.574115n	9.967078	212 35 56.2	+0.574530	+0.028471
10	+1.567074	+0.371773	9.574134n	9.967075	215 5 54.6	+0.574523	+0.028464

Welt-Zeit	x'	y'	log tang $f^{(a)}$	log tang $f^{(i)}$
h m				
20 0	+0.0083761	−0.0003802	7.67622	7.67405
21 0	0.0083772	0.0003759	7.67622	7.67405
22 0	0.0083780	0.0003715	7.67622	7.67406
23 0	0.0083783	0.0003672	7.67623	7.67406
0 0	0.0083782	0.0003629	7.67623	7.67406
1 0	0.0083776	0.0003587	7.67623	7.67406
2 0	0.0083763	0.0003544	7.67624	7.67407
3 0	+0.0083745	−0.0003501	7.67624	7.67407

Merkurdurchgang 1937 Mai 11
unsichtbar in Berlin.

Konjunktion in Rektaszension . . . . Mai 11, $10^h\ 57^m\ 11^s.3$ Welt-Zeit

Rektaszension des Merkur .	$3^h\ 11^m\ 31^s.47$	Deklination des Merkur .	$+17°\ 32'\ 16''.4$
Stündliche Änderung . . .	— 5.27	Stündliche Änderung . .	— 1 6.3
Rektaszension der Sonne .	3 11 31.47	Deklination der Sonne . .	+17 49 59.9
Stündliche Änderung . . .	+ 9.78	Stündliche Änderung . .	+ 38.7
Äquatorialhorizontalparallaxe des Merkur . . .	15''.83	Halbmesser des Merkur . . .	6''.01
„ der Sonne	8.71	„ der Sonne . . .	15' 49.85

Besselsche Elemente des Durchganges

Welt-Zeit	x	y	log sin d	log cos d	μ	$l^{(a)}$	x' für 1 Min.	y' für 1 Min.	log tg $f^{(a)}$
$8^h\ 0^m$	+89.25	—105.70	9.49132	9.97806	301° 9' 16''	134.22	—0.5039	—0.2463	8.01174
9 0	59.02	120.46	9.49240	9.97795	316 4 41	134.17	0.5038	0.2457	8.01164
10 0	+28.80	135.18	9.49347	9.97783	331 0 6	134.12	0.5037	0.2450	8.01155
11 0	— 1.42	—149.86	9.49454	9.97772	345 55 31	134.06	—0.5037	—0.2443	8.01145

Geozentrischer Verlauf des Durchganges

	Welt-Zeit	Positionswinkel	Merkur steht im Zenit der Orte: Westl. Länge v. Greenwich	Geogr. Breite
Eintritt, äußere Berührung . .	Mai 11, $8^h\ 55^m\ 10^s$	152° 47'	314° 36'	+17° 34'
Kleinster Abstand der Zentren 15' 55''.7 .	„ „ 9 0 5		315 49	+17 34
Austritt, äußere Berührung . .	„ „ 9 4 58	155 7	317 4	+17 34

Topozentrischer Verlauf des Durchganges

	Welt-Zeit	Westl. Länge v. Greenwich	Geogr. Breite
Erster Kontakt auf der Erdoberfläche .	Mai 11, $8^h\ 31^m$	244° 26'	—52° 57'
Kleinst. Abst. d. Zentr. (☿ dringt 7''.3 in ☉ ein)	„ „ 9 0	258 51	—58 48
Letzter Kontakt auf der Erdoberfläche .	„ „ 9 30	276 29	—64 6

Lokale Daten des Merkurdurchganges

Ort	Eintritt Welt-Zeit	Eintritt Positionswinkel gezählt vom Stundenkreis	Eintritt Positionswinkel gezählt vom Höhenkreis	Austritt Welt-Zeit	Austritt Positionswinkel gezählt vom Stundenkreis	Austritt Positionswinkel gezählt vom Höhenkreis
Bombay, Indien	$8^h\ 48^m$	151°	67°	$9^h\ 12^m$	157°	73°
Kap der guten Hoffnung, Südafrika	8 41	149	301	9 24	159	318
Hongkong, China	8 47	151	77	9 11	157	83
Johannesburg, Südafrika	8 41	149	304	9 23	159	327
Madras, Indien	8 44	150	56	9 16	158	67
Manila, Philippinen	8 43	150	69	9 14	158	79
Mauritius (Port Louis)	8 38	149	341	9 25	160	8
Perth, Westaustralien	8 33	148	19	9 27	161	37

Der Eintritt und der Austritt sind allgemein sichtbar im südlichen Teil Asiens, auf den Philippinen, in Westaustralien, im Indischen Ozean und in Zentral- und Südafrika.

Sternbedeckungen 1937

Mittlere Örter der Sterne, die im Jahre 1937 in Mitteleuropa vom Monde bedeckt werden

Name	Gr.	AR. 1937.0	Jährliche Eigenbew.	Dekl. 1937.0	Jährliche Eigenbew.
	m	h m s	s	° ′ ″	″
BD +13° 255	6.9	1 35 52.603	+0.0062	+13 57 59.61	−0.037
27 Arietis	6.4	2 27 24.413	+0.0025	+17 25 34.59	−0.097
BD +18° 337	7.5	2 37 34.724	+0.0022	+18 31 51.77	−0.015
36 Arietis	6.5	2 40 47.844	+0.0036	+17 29 53.90	−0.045
BD +18° 347	7.3	2 43 53.748	+0.0066	+19 6 41.79	−0.149
BD +18° 359	6.6	2 47 8.546	+0.0019	+18 54 7.10	−0.082
ρ Arietis	5.6	2 52 52.480	+0.0189	+17 46 23.12	−0.207
54 Arietis	6.5	3 4 46.555	+0.0027	+18 33 16.03	−0.018
63 Arietis	5.2	3 19 7.410	−0.0033	+20 31 4.67	−0.017
65 Arietis	5.9	3 20 47.816	+0.0003	+20 34 52.36	−0.010
BD +20° 573	7.2	3 25 9.711	+0.0009	+20 24 25.28	−0.015
13 Tauri	5.5	3 38 40.647	+0.0001	+19 29 59.54	−0.019
BD +21° 539	6.8	3 47 54.275	+0.0008	+21 50 35.39	−0.028
53 Tauri	5.4	4 15 43.035	+0.0031	+20 59 29.16	−0.047
ϰ Tauri	4.4	4 21 36.579	+0.0073	+22 9 4.48	−0.048
67 Tauri	5.4	4 21 39.562	+0.0084	+22 3 26.68	−0.060
υ Tauri	4.4	4 22 32.058	+0.0081	+22 40 20.39	−0.052
BD +22° 712	6.8	4 30 58.969	+0.002	+22 33 45.44	−0.03
τ Tauri	4.3	4 38 27.597	+0.0004	+22 50 15.96	−0.022
BD +22° 776	7.4	4 52 19.290	+0.003	+22 28 41.45	−0.05
ι Tauri	4.7	4 59 19.606	+0.0048	+21 30 5.99	−0.047
330 B. Tauri	6.3	5 0 36.171	+0.0027	+21 11 28.71	−0.034
105 Tauri	6.0	5 4 9.219	+0.0004	+21 37 22.94	−0.016
108 Tauri	6.2	5 11 40.250	−0.0003	+22 12 51.14	−0.015
n Tauri	5.1	5 15 29.349	+0.0021	+22 1 58.56	−0.089
o Tauri	4.8	5 23 50.919	+0.0008	+21 53 5.53	−0.013
BD +22° 925	6.5	5 26 54.996	+0.003	+22 24 53.83	−0.03
ζ Tauri	3.0	5 33 52.658	+0.0002	+21 6 21.03	−0.028
175 H[1]. Tauri	6.5	5 38 15.310	+0.0010	+22 37 49.53	−0.027
BD +20° 1105	5.9	5 44 36.634	+0.0009	+20 50 56.89	−0.022
BD +21° 1072	6.7	5 55 52.576	+0.0006	+21 36 4.40	+0.008
BD +21° 1203	7.1	6 17 28.313	−0.007	+21 9 44.00	0.00
BD +21° 1232	6.6	6 21 55.826	−0.0004	+21 40 53.81	−0.018
16 Geminorum	6.1	6 24 11.814	−0.0021	+20 32 9.30	−0.004
ν Geminorum	4.1	6 25 13.313	−0.0006	+20 15 12.98	−0.021
BD +20° 1549	7.0	6 40 45.111	−0.001	+20 45 28.88	0.00
BD +19° 1734	7.2	7 24 9.467	+0.009	+19 10 28.38	−0.05
f Geminorum	5.2	7 35 50.401	+0.0003	+17 49 10.12	+0.002
1 Cancri	6.0	7 53 24.910	−0.0019	+15 57 35.98	−0.049
2 B. Cancri	6.2	7 54 55.905	+0.0003	+16 41 22.94	+0.004
5 Cancri	5.9	7 57 54.906	+0.0004	+16 37 49.39	−0.009
30 B. Cancri	6.1	8 7 26.606	−0.0019	+14 49 1.99	−0.022
BD +16° 1657	7.4	8 8 2.289	0.000	+16 24 20.97	0.00
29 Cancri	5.9	8 25 6.499	−0.0009	+14 25 14.49	−0.018
84 B. Cancri	6.4	8 30 15.722	−0.0023	+13 28 26.19	−0.095

Mittlere Örter der Sterne, die im Jahre 1937 in Mitteleuropa vom Monde bedeckt werden

Name	Gr.	AR. 1937.0	Jährliche Eigenbew.	Dekl. 1937.0	Jährliche Eigenbew.
	m	h m s	s	° ′ ″	″
BD +13° 1994	6.8	8 45 11.816	—0.0013	+12 46 49.31	—0.001
60 Cancri	5.7	8 52 29.258	—0.0002	+11 52 4.71	—0.021
α Cancri	4.3	8 55 2.594	+0.0025	+12 6 10.09	—0.039
κ Cancri	5.1	9 4 20.178	—0.0013	+10 55 22.21	—0.011
ω Leonis	5.5	9 25 5.066	+0.0036	+ 9 19 55.47	—0.013
14 Sextantis	6.3	10 3 29.796	—0.0023	+ 5 55 9.71	—0.015
19 Sextantis	5.9	10 9 31.670	—0.0038	+ 4 55 36.53	—0.016
BD +3° 2379	6.6	10 28 21.063	—0.002	+ 3 10 8.89	—0.03
237 B. Leonis	6.3	10 48 59.484	—0.0008	+ 1 21 35.59	+0.019
55 Leonis	6.0	10 52 27.925	+0.0068	+ 1 4 23.67	—0.011
BD +0° 2728	6.1	11 0 1.163	—0.0002	— 0 24 39.01	—0.112
p^3 Leonis	6.2	11 0 23.105	—0.0044	+ 0 20 19.37	0.000
BD —0° 2422	6.8	11 11 24.238	+0.003	— 0 55 36.73	—0.05
e Leonis	5.1	11 27 5.707	+0.0013	— 2 39 21.43	—0.017
13 B. Virginis	5.8	11 47 48.878	+0.0004	— 4 58 58.92	—0.012
64 B. Virginis	6.5	12 7 13.094	—0.0014	— 7 25 26.21	+0.013
q Virginis	5.4	12 30 31.492	—0.0057	— 9 6 17.66	+0.002
370 B. Virginis	6.0	12 51 1.678	—0.0097	—11 18 25.96	—0.001
BD —11° 3398	6.5	12 53 54.804	+0.0004	—11 43 34.92	—0.004
83 Virginis	5.7	13 41 5.588	+0.0005	—15 51 46.78	—0.005
BD —16° 3785	6.5	13 59 37.989	—0.0128	—17 3 50.87	+0.012
214 G. Virginis	6.4	14 1 47.786	+0.0011	—16 2 5.84	—0.009
43 H. Virginis	5.6	14 11 55.477	—0.0028	—17 54 28.22	—0.018
BD —21° 4152	7.0	15 33 50.072	+0.001	—21 54 36.90	0.00
ρ Ophiuchi	4.8	16 21 48.176	—0.0008	—23 18 11.25	—0.021
44 Ophiuchi	4.3	17 22 31.218	—0.0005	—24 7 8.48	—0.132
115 B. Sagittarii	5.8	18 34 8.062	—0.0011	—21 27 5.51	—0.082
121 B. Sagittarii	5.9	18 35 7.988	—0.0055	—21 6 20.45	—0.154
36 Sagittarii	5.1	18 53 35.876	—0.0012	—20 44 25.35	—0.011
ξ Sagittarii	3.6	18 53 58.318	+0.0023	—21 11 27.84	—0.018
195 B. Sagittarii	6.3	19 6 5.247	+0.0017	—19 54 16.57	—0.081
BD —17° 5832	7.4	19 57 56.175	+0.0102	—17 2 33.14	—0.068
31 B. Capricorni	6.4	20 25 10.691	+0.0005	—15 57 4.97	—0.037
τ Capricorni	5.3	20 35 45.085	+0.0005	—15 10 37.03	—0.022
BD —14° 5839	7.0	20 41 3.179	0.0000	—14 24 51.28	—0.004
BD —13° 5779	7.0	20 49 2.522	+0.0015	—13 26 27.06	+0.009
BD —7° 5727	7.4	22 9 24.420	+0.0143	— 6 46 52.33	+0.025
51 Aquarii	5.8	22 20 50.028	+0.0017	— 5 9 22.87	0.000
BD —5° 5790	7.3	22 22 49.803	+0.001	— 5 29 54.69	0.00
207 B. Aquarii	6.4	22 37 32.387	—0.0019	— 3 52 57.37	—0.031
BD —2° 5858	6.4	22 55 9.004	+0.007	— 1 44 51.89	—0.03
κ Piscium	4.9	23 23 42.131	+0.0057	+ 0 54 37.77	—0.090
16 Piscium	5.6	23 33 10.310	—0.0075	+ 1 45 9.07	+0.058
19 Piscium	5.3	23 43 10.221	—0.0034	+ 3 8 13.41	—0.020
BD +3° 4909	6.9	23 53 33.582	+0.004	+ 4 22 27.91	+0.02

Sternbedeckungen 1937

Elemente der in Mitteleuropa sichtbaren Sternbedeckungen

Stern					Konjunktion in Rektaszension					Alter d. Mondes
Name	Gr.	Δα	Δδ	δ app.	Welt-Zeit	Stundenw. H	Y	x′	y′	
Januar										
	m	s	"	° ′	d h m	h m				d
14 Sextantis	6.3	+1.94	−10.0	+ 5 55.0	1 2 44.1	−0 38.1	+0.9020	0.5283	−0.2191	18.1
237 B. Leonis	6.3	+1.73	− 9.2	+ 1 21.4	2 1 52.7	−2 11.1	+0.6324	0.5170	−0.2236	19.1
55 Leonis	6.0	+1.72	− 9.2	+ 1 4.2	2 3 41.0	−0 26.1	+0.5373	0.5163	−0.2236	19.1
BD −16° 3785	6.5	+0.86	− 2.0	−17 3.9	6 6 14.6	−0 43.4	+0.5799	0.5216	−0.1583	23.3
44 Ophiuchi	4.3	+0.10	+ 1.5	−24 7.1	10 6 11.5	−3 53.6	+0.7526	0.5587	+0.0148	27.3
τ Tauri	4.3	+2.46	+ 3.6	+22 50.3	22 19 2.7	−1 29.0	+0.4247	0.5995	+0.0303	10.1
175 H¹ Tauri	6.5	+2.71	− 0.1	+22 37.8	23 18 10.6	−3 17.0	+0.6206	0.5991	−0.0317	11.1
64 B. Virginis	6.5	+2.19	−12.2	− 7 25.6	31 3 53.8	+0 26.3	+1.2479	0.5142	−0.2135	18.5
Februar										
	m	s	"	° ′	d h m	h m				d
370 B. Virginis	6.0	+2.04	−10.4	−11 18.6	1 2 53.7	−1 13.8	+0.7649	0.5149	−0.1968	19.4
BD −11° 3398	6.5	+2.03	−10.2	−11 43.8	1 4 24.2	+0 14.2	+0.9289	0.5150	−0.1956	19.5
83 Virginis	5.7	+1.85	− 7.9	−15 51.9	2 4 51.0	−0 2.2	+0.9992	0.5199	−0.1703	20.5
27 Arietis	6.4	+1.23	+ 6.1	+17 25.7	16 20 4.2	+3 22.3	+0.7091	0.5788	+0.1529	5.5
63 Arietis	5.2	+1.57	+ 5.8	+20 31.2	17 17 12.0	−0 18.2	+0.3576	0.5870	+0.1084	6.4
65 Arietis	5.9	+1.58	+ 5.7	+20 35.0	17 17 52.4	+0 20.7	+0.3661	0.5873	+0.1068	6.4
ϰ Tauri	4.4	+1.98	+ 3.8	+22 9.1	18 18 5.6	−0 23.0	+0.6625	0.5929	+0.0479	7.5
67 Tauri	5.4	+1.98	+ 3.8	+22 3.5	18 18 6.7	−0 21.8	+0.7588	0.5929	+0.0478	7.5
υ Tauri	4.4	+1.99	+ 4.0	+22 40.4	18 18 27.5	−0 1.9	+0.1501	0.5929	+0.0470	7.5
BD +22° 925	6.5	+2.36	+ 0.5	+22 24.9	19 19 53.4	+0 23.8	+0.7786	0.5921	−0.0185	8.5
q Virginis	5.4	+2.72	−16.1	− 9 6.6	28 0 29.4	−1 31.5	+0.7264	0.5181	−0.2053	16.7
März										
	m	s	"	° ′	d h m	h m				d
43 H. Virginis	5.6	+2.54	−10.9	−17 54.7	2 4 29.4	+0 55.7	+1.0174	0.5270	−0.1501	18.9
108 Tauri	6.2	+1.77	+ 0.8	+22 12.9	18 19 15.8	+1 47.8	+0.7743	0.5953	−0.0028	6.0
n Tauri	5.1	+1.80	+ 0.5	+22 2.0	18 20 45.8	+3 14.2	+0.9518	0.5949	−0.0067	6.1
e Leonis	5.1	+2.96	−19.7	− 2 39.7	25 22 41.2	−0 34.1	+0.8320	0.5184	−0.2184	13.1
April										
	m	s	"	° ′	d h m	h m				d
ρ Ophiuchi	4.8	+2.91	− 5.1	−23 18.3	1 2 38.6	−1 7.1	+0.9874	0.5447	−0.0429	19.3
2 B. Cancri	6.2	+2.06	− 8.7	+16 41.2	17 20 29.8	+2 17.0	+0.7126	0.5631	−0.1501	6.7
5 Cancri	5.9	+2.08	− 8.8	+16 37.7	17 21 48.5	+3 33.0	+0.5762	0.5621	−0.1522	6.7
Mai										
	m	s	"	° ′	d h m	h m				d
31 B. Capricorni	6.4	+2.37	+ 8.7	−15 56.9	3 3 36.4	−2 6.4	+0.8258	0.5380	+0.1651	22.0
f Geminorum	5.2	+1.60	− 7.0	+17 49.1	14 19 54.3	+3 46.9	+0.5605	0.5790	−0.1389	4.2
ω Leonis	5.5	+2.03	−13.5	+ 9 19.7	16 20 42.5	+2 53.9	+0.8614	0.5395	−0.2002	6.3
19 Sextantis	5.9	+2.23	−16.1	+ 4 55.3	17 18 30.0	+0 0.6	+1.0184	0.5269	−0.2120	7.2
BD +0° 2728	6.1	+2.48	−18.6	− 0 25.0	18 20 20.6	+1 4.9	+1.1958	0.5174	−0.2159	8.2
13 B. Virginis	5.8	+2.74	−19.8	− 4 59.3	19 21 27.0	+1 27.7	+0.7912	0.5140	−0.2105	9.3
q Virginis	5.4	+2.98	−20.2	− 9 6.6	20 20 0.8	−0 37.6	+0.6785	0.5152	−0.1985	10.2
Juni										
	m	s	"	° ′	d h m	h m				d
207 B. Aquarii	6.4	+2.35	+13.5	− 3 52.7	2 2 51.2	−3 5.8	+0.9245	0.5341	+0.2207	22.5
ϰ Cancri	5.1	+1.67	−11.2	+10 55.2	12 19 24.7	+3 43.1	+1.0659	0.5555	−0.1952	3.9
ρ Ophiuchi	4.8	+4.27	− 7.4	−23 18.3	21 21 27.1	−0 56.2	+1.1631	0.5475	−0.0410	13.0
Juli										
	m			° ′	d h m	h m				d
Mars	−0.8	—	—	−20 54.2	17 21 8.5	+1 33.3	+0.7730	0.5282	−0.0948	9.7

Sternbedeckungen 1937

Elemente der in Mitteleuropa sichtbaren Sternbedeckungen

Stern					Konjunktion in Rektaszension					Alter d. Mondes
Name	Gr.	Δα	Δδ	δ app.	Welt-Zeit	Stundenw. H	Y	x′	y′	
August										
	m	s	"	° ′	d h m	h m				d
Venus	−3.6	—	—	+21 20.3	3 8 50.6	−0 16.2	+0.8041	0.5588	−0.0476	26.2
53 Tauri	5.4	+3.56	+ 6.5	+20 59.6	29 1 5.5	−4 43.0	+0.7754	0.5953	+0.0525	22.5
o Tauri	4.8	+3.24	+ 0.7	+21 53.1	30 3 50.6	−3 1.6	+0.3872	0.5972	−0.0144	23.7
16 Geminorum	6.1	+2.89	− 3.4	+20 32.1	31 3 41.0	−4 7.7	+0.7109	0.5924	−0.0727	24.7
September										
	m	s	"	° ′	d h m	h m				d
36 Sagittarii	5.1	+4.18	+ 8.6	−20 44.3	14 19 0.1	−0 20.2	+0.6899	0.5456	+0.0917	9.8
ξ Sagittarii	3.6	+4.20	+ 8.5	−21 11.3	14 19 10.7	−0 10.0	+1.1982	0.5456	+0.0921	9.8
τ Capricorni	5.3	+4.38	+19.4	−15 10.3	16 19 23.9	−1 30.6	+1.0297	0.5422	+0.1676	11.8
ρ Arietis	5.6	+4.55	+17.2	+17 46.7	23 21 53.6	−4 50.1	+0.7705	0.5912	+0.1275	18.9
54 Arietis	6.5	+4.53	+16.1	+18 33.5	24 2 39.9	−0 14.9	+0.5713	0.5930	+0.1175	19.1
ι Tauri	4.7	+4.20	+ 4.0	+21 30.2	25 23 36.4	−5 5.6	+0.5396	0.5996	+0.0097	21.0
330 B. Tauri	6.3	+4.19	+ 4.0	+21 11.5	26 0 6.2	−4 36.9	+0.8574	0.5995	+0.0085	21.0
105 Tauri	6.0	+4.18	+ 3.5	+21 37.4	26 1 29.3	−3 17.2	+0.4314	0.5994	+0.0050	21.1
Oktober										
	m	s	"	° ′	d h m	h m				d
115 B. Sagittarii	5.8	+3.61	+ 6.4	−21 27.0	11 17 58.8	+0 44.2	+0.9779	0.5425	+0.0746	7.3
121 B. Sagittarii	5.9	+3.61	+ 6.5	−21 6.2	11 18 27.3	+1 11.8	+0.6324	0.5424	+0.0754	7.4
BD −2° 5858	6.4	+4.32	+28.9	− 1 44.4	16 23 58.2	+2 43.3	+0.3889	0.5453	+0.2190	12.5
16 Piscium	5.6	+4.43	+29.9	+ 1 45.6	17 17 44.9	−4 5.1	+0.7077	0.5525	+0.2207	13.2
19 Piscium	5.3	+4.46	+30.0	+ 3 8.7	17 22 20.8	+0 21.5	+0.3085	0.5546	+0.2201	13.4
13 Tauri	5.5	+5.09	+14.4	+19 30.2	22 0 6.5	−1 32.3	+0.8468	0.6079	+0.0873	17.5
BD +20° 1105	5.9	+4.78	− 0.6	+20 50.9	23 23 52.2	−3 44.6	+0.7735	0.6047	−0.0356	19.5
1 Cancri	6.0	+3.90	−12.1	+15 57.4	26 3 44.3	−1 52.8	+0.8437	0.5728	−0.1453	21.7
November										
	m	s	"	° ′	d h m	h m				d
195 B. Sagittarii	6.3	+3.29	+ 9.5	−19 54.1	8 16 31.8	+0 35.4	+0.7818	0.5383	+0.1006	5.5
51 Aquarii	5.8	+3.89	+26.0	− 5 8.9	12 17 1.2	−1 54.1	+0.5420	0.5323	+0.2081	9.5
ϰ Piscium	4.9	+4.17	+28.8	+ 0 55.1	13 23 34.8	+3 41.7	+0.7197	0.5429	+0.2168	10.8
ζ Tauri	3.0	+5.54	0.0	+21 6.4	20 5 7.0	+3 28.2	+0.5625	0.6177	−0.0265	17.0
16 Geminorum	6.1	+5.36	− 6.4	+20 32.0	20 23 55.5	−2 30.5	+0.1664	0.6091	−0.0750	17.8
ν Geminorum	4.1	+5.34	− 6.5	+20 15.1	21 0 18.9	−2 8.1	+0.4161	0.6088	−0.0759	17.8
29 Cancri	5.9	+4.54	−17.8	+14 24.9	23 0 29.0	−3 49.9	+0.1746	0.5719	−0.1683	19.8
84 B. Cancri	6.4	+4.48	−18.0	+13 28.1	23 2 42.0	−1 41.7	+0.7593	0.5701	−0.1712	19.9
ω Leonis	5.5	+4.07	−20.4	+ 9 19.6	24 3 8.6	−2 5.9	+0.4889	0.5517	−0.1963	20.9
19 Sextantis	5.9	+3.75	−21.0	+ 4 55.3	25 0 5.4	−5 50.1	+0.8209	0.5391	−0.2079	21.8
p^3 Leonis	6.2	+3.44	−20.6	+ 0 20.0	26 1 6.4	−5 35.8	+0.3877	0.5290	−0.2116	22.8
Dezember										
	m	s	"	° ′	d h m	h m				d
BD −2° 5858	6.4	+3.71	+26.2	− 1 44.4	10 17 50.4	+0 11.3	+0.5333	0.5286	+0.2111	7.7
19 Piscium	5.3	+3.98	+27.9	+ 3 8.7	11 17 32.4	−0 50.8	+0.4196	0.5375	+0.2121	8.7
36 Arietis	6.5	+5.33	+21.6	+17 30.3	14 23 50.1	+2 42.1	+0.2870	0.5952	+0.1355	12.0
1 Cancri	6.0	+5.54	−18.6	+15 57.3	19 21 11.8	−4 49.5	+0.7472	0.5941	−0.1506	16.9
30 B. Cancri	6.1	+5.44	−19.9	+14 48.7	20 2 50.2	+0 35.8	+1.0064	0.5895	−0.1602	17.1
60 Cancri	5.7	+5.15	−23.5	+11 51.7	20 21 33.8	−5 22.6	+0.7041	0.5740	−0.1862	17.9
α Cancri	4.3	+5.14	−23.8	+12 5.8	20 22 39.3	−4 19.5	+0.2646	0.5731	−0.1874	17.9
ϰ Cancri	5.1	+5.07	−24.2	+10 55.0	21 2 39.3	−0 28.1	+0.6947	0.5698	−0.1917	18.1
237 B. Leonis	6.3	+4.40	−26.5	+ 1 21.2	23 2 40.4	−2 3.7	+0.5597	0.5386	−0.2146	20.1
55 Leonis	6.0	+4.39	−26.5	+ 1 4.0	23 4 21.2	−0 26.1	+0.4984	0.5379	−0.2146	20.2
q Virginis	5.4	+3.94	−22.4	− 9 6.7	25 5 8.3	−1 9.1	+1.1655	0.5263	−0.1950	22.2
214 G. Virginis	6.4	+3.71	−15.8	−16 2.4	27 3 4.4	−4 36.8	+0.7209	0.5309	−0.1486	24.1

Sternbedeckungen 1937

Ein- und Austritte für Berlin-Babelsberg

Tag		Stern	Größe	Phase	Welt-Zeit	P	a	b	Alter des Mondes
1937			m		h m	°	m	m	d
Jan.	1	14 Sextantis	6.3	A.	3 34.5	271	−1.6	−0.6	18.1
	2	237 B. Leonis	6.3	A.	1 55.8	304	−1.2	−0.4	19.1
	2	55 Leonis	6.0	A.	3 49.4	4	—	—	19.2
	15	*BD* −7° 5727	7.4	E.	17 42.4	66	−0.5	−0.8	3.0
	17	*BD* +3° 4909	6.9	E.	19 7.9	73	−0.7	−1.0	5.1
	19	*BD* +13° 255	6.9	E.	16 20.8	79	−1.4	+0.6	7.0
	20	*BD* +18° 337	7.5	E.	18 58.4	61	−1.3	+0.5	8.1
	20	*BD* +18° 359	6.6	E.	23 34.0	84	−0.1	−1.3	8.3
	22	τ Tauri	4.3	E.	18 15.5	68	−1.2	+1.4	10.1
	23	*BD* +22° 776	7.4	E.	1 11.3	150	+0.5	−3.0	10.3
	23	175 H¹ Tauri	6.5	E.	16 53.8	104	−0.8	+1.0	11.1
	31	64 B. Virginis	6.5	A.	5 2.8	235	—	—	18.5
Febr.	1	370 B. Virginis	6.0	A.	3 15.4	317	−1.1	−0.9	19.4
	1	*BD* −11° 3398	6.5	A.	5 28.6	305	−1.2	−1.6	19.5
	2	83 Virginis	5.7	A.	5 54.4	288	−1.4	−1.2	20.5
	16	27 Arietis	6.4	E.	20 38.3	112	−0.3	−2.1	5.5
	17	63 Arietis	5.2	E.	16 57.7	45	−1.3	+1.5	6.4
	17	65 Arietis	5.9	E.	17 49.6	51	−1.3	+0.9	6.4
	17	*BD* +20° 573	7.2	E.	20 3.8	129	−0.6	−2.9	6.5
	18	ϰ Tauri	4.4	E.	17 44.5	122	−1.6	−1.5	7.4
	18	67 Tauri	5.4	E.	18 4.5	158	—	—	7.4
	18	*BD* +22° 712	6.8	E.	22 30.2	36	−1.0	+0.4	7.6
	19	*BD* +22° 925	6.5	E.	20 9.2	162	—	—	8.5
	21	*BD* +20° 1549	7.0	E.	2 11.7	95	+0.2	−1.4	9.8
	21	*BD* +19° 1734	7.2	E.	18 50.3	97	−1.4	+0.6	10.5
	28	*q* Virginis	5.4	A.	0 43.4	316	−1.1	−0.7	16.7
März	18	108 Tauri	6.2	E.	19 42.2	138	−0.5	−2.8	6.0
	19	*BD* +21° 1203	7.1	E.	22 10.6	142	+0.1	−2.5	7.1
	25	*e* Leonis	5.1	E.	22 9.5	119	−1.3	−0.6	13.1
April	15	*BD* +21° 1072	6.7	E.	19 55.6	100	−0.4	−1.6	4.6
	17	2 B. Cancri	6.2	E.	20 52.9	91	−0.8	−1.4	6.6
	18	*BD* +13° 1994	6.8	E.	19 47.5	188	—	—	7.6
	20	*BD* +3° 2379	6.6	E.	22 24.6	132	−0.8	−1.9	9.7
	21	*BD* −0° 2422	6.8	E.	19 43.3	85	−1.9	+0.6	10.6
Mai	16	ω Leonis	5.5	E.	21 13.5	95	−0.6	−1.6	6.3
	18	*BD* +0° 2728	6.1	E.	20 58.6	168	−0.4	−2.5	8.3
	19	13 B. Virginis	5.8	E.	21 41.5	71	−1.5	−1.0	9.3
	20	*q* Virginis	5.4	E.	19 23.0	75	−2.1	+0.7	10.3
Juni	2	207 B. Aquarii	6.4	A.	2 40.6	256	−1.2	+1.4	22.6
	12	ϰ Cancri	5.1	E.	20 7.0	130	0.0	−1.9	3.9
	20	*BD* −21° 4152	7.0	E.	22 51.1	111	−1.4	−1.3	12.1
	21	ρ Ophiuchi	4.8	E.	21 0.1	143	−1.3	−0.5	13.0
Aug.	29	53 Tauri	5.4	A.	0 34.9	248	−0.3	+1.8	22.5
	31	16 Geminorum	6.1	A.	3 14.4	243	−0.6	+2.2	24.6
Sept.	14	36 Sagittarii	5.1	E.	19 1.2	17	—	—	9.8
	16	τ Capricorni	5.3	E.	18 26.6	82	−1.4	+0.9	11.9



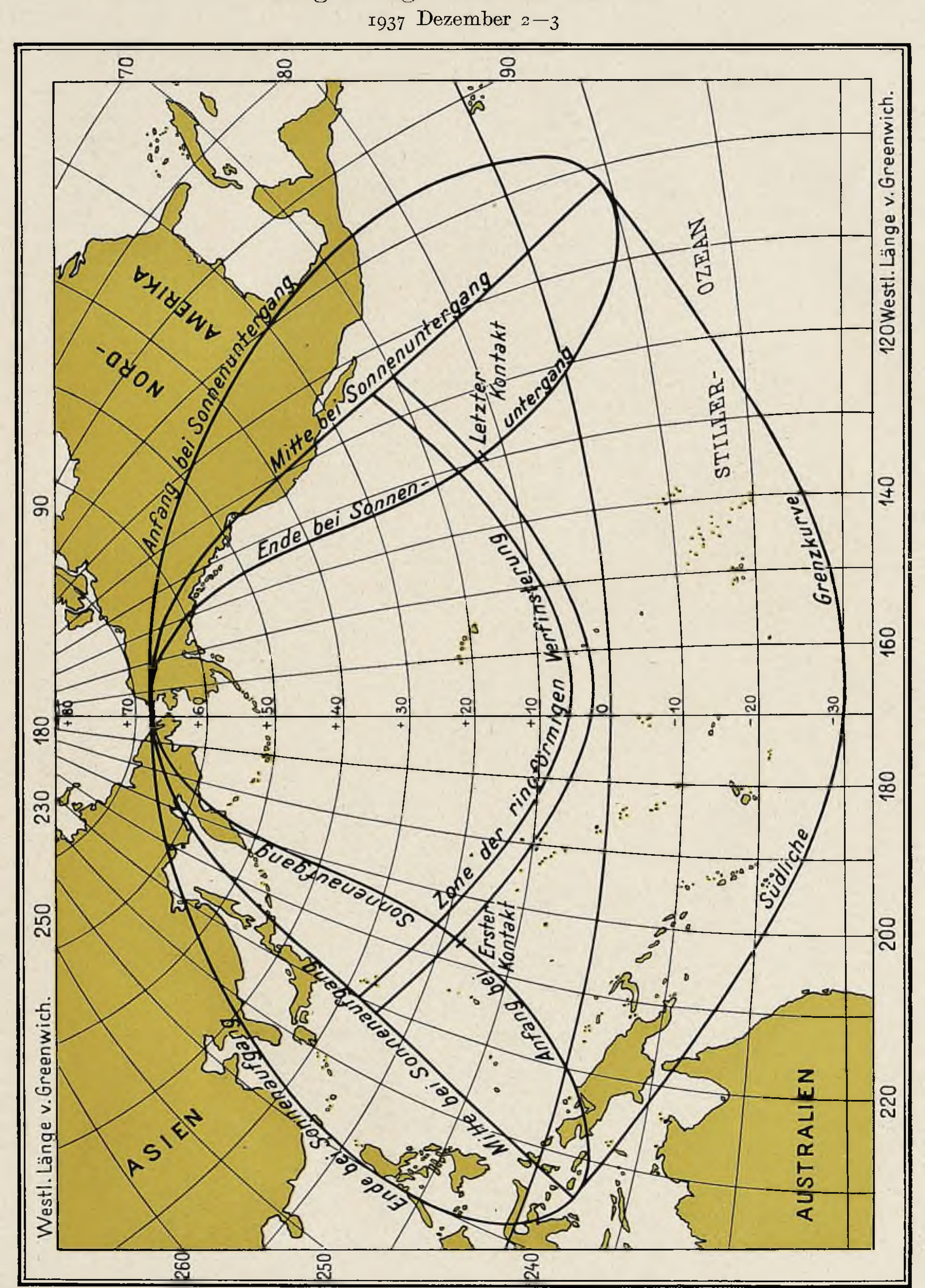
Totale Sonnenfinsternis

1937 Juni 8

NORD-AMERIKA
SÜD-AMERIKA
AUSTRALIEN
ATLANTISCHER OZEAN
STILLER OZEAN
Galapagos Ins.
Casma
Huaras
Nördliche Grenzkurve
Südliche Grenzkurve
Zone der totalen Verfinsterung
Erster Kontakt
Letzter Kontakt
Anfang bei Sonnenaufgang
Mitte bei Sonnenaufgang
Ende bei Sonnenaufgang
Anfang bei Sonnenuntergang
Mitte bei Sonnenuntergang
Ende bei Sonnenuntergang
Westl. Länge v. Greenw.
Westl. Länge v. Greenwich.
40 60 80 100 120 140 160 180 200 220 230 240 30 20 0
+50 +40 +30 +20 +10 0 -10 -20 -30 -40 -50 -60 -70 -80

Ringförmige Sonnenfinsternis

1937 Dezember 2—3





Ein- und Austritte für Berlin-Babelsberg

Tag	Stern	Größe	Phase	Welt-Zeit	P	a	b	Alter des Mondes
1937		m		h m	°	m	m	d
Sept. 16	BD −14° 5839	7.0	E.	22 11.3	41	−0.7	+0.1	12.0
23	ρ Arietis	5.6	A.	21 24.0	264	−0.4	+1.5	19.0
24	54 Arietis	6.5	A.	3 28.2	249	−1.3	+0.1	19.2
25	ι Tauri	4.7	A.	23 2.3	298	−0.6	+0.8	21.0
25	330 B. Tauri	6.3	A.	23 28.3	221	0.0	+2.6	21.1
26	105 Tauri	6.0	A.	1 13.9	298	−1.3	+0.2	21.1
Okt. 11	115 B. Sagittarii	5.8	E.	17 55.8	97	−1.6	−1.0	7.3
23	BD +20° 1105	5.9	A.	23 24.9	225	−0.5	+2.8	19.5
Nov. 8	195 B. Sagittarii	6.3	E.	16 32.1	56	−1.1	−0.2	5.5
9	BD −17° 5832	7.4	E.	18 9.3	45	−0.7	−0.1	6.6
10	BD −13° 5779	7.0	E.	19 36.0	59	−0.7	−0.5	7.6
12	BD −5° 5790	7.3	E.	17 19.1	117	−2.3	−0.4	9.6
20	ζ Tauri	3.0	E.	5 40.4	62	−0.6	−0.8	17.0
21	ν Geminorum	4.1	A.	0 24.4	298	−1.3	−0.4	17.8
23	84 B. Cancri	6.4	A.	3 1.1	253	−1.7	+1.0	19.9
24	ω Leonis	5.5	A.	3 8.4	315	−1.1	−0.9	21.0
Dez. 10	BD −2° 5858	6.4	E.	17 58.1	26	−0.7	+1.2	7.8
15	36 Arietis	6.5	E.	0 44.2	7	—	—	12.0
19	1 Cancri	6.0	A.	20 38.8	240	−0.3	+2.5	16.9
20	60 Cancri	5.7	A.	20 59.3	255	−0.2	+2.0	17.9
21	κ Cancri	5.1	A.	3 24.5	294	−1.2	−1.2	18.1
23	237 B. Leonis	6.3	A.	2 38.7	320	−1.0	−0.8	20.1

Ein- und Austritte für Königsberg

Tag	Stern	Größe	Phase	Welt-Zeit	P	a	b	Alter des Mondes
1937		m		h m	°	m	m	d
Jan. 1	14 Sextantis	6.3	A.	3 42.7	284	−1.2	−1.2	18.1
2	237 B. Leonis	6.3	A.	2 2.4	318	−1.0	−0.9	19.1
17	BD +3° 4909	6.9	E.	19 9.8	68	−0.4	−0.9	5.1
19	BD +13° 255	6.9	E.	16 32.1	80	−1.4	+0.2	7.0
20	BD +18° 337	7.5	E.	19 8.3	56	−1.1	+0.3	8.1
20	BD +18° 359	6.6	E.	23 32.0	73	−0.1	−1.1	8.3
22	τ Tauri	4.3	E.	18 27.6	64	−1.2	+1.3	10.1
23	BD +22° 776	7.4	E.	1 2.7	135	+0.3	−2.3	10.3
23	175 H^1 Tauri	6.5	E.	17 2.5	103	−0.9	+0.9	11.1
31	64 B. Virginis	6.5	A.	5 11.8	246	−1.2	−1.2	18.5
Febr. 1	370 B. Virginis	6.0	A.	3 20.8	329	−0.9	−1.2	19.4
16	27 Arietis	6.4	E.	20 35.3	100	−0.2	−1.8	5.5
17	63 Arietis	5.2	E.	17 10.0	39	−1.2	+1.4	6.4
17	65 Arietis	5.9	E.	18 1.1	43	−1.2	+0.9	6.4
17	BD +20° 573	7.2	E.	20 2.2	115	−0.5	−2.2	6.5
18	κ Tauri	4.4	E.	17 51.9	114	−1.3	−1.3	7.4
18	67 Tauri	5.4	E.	18 4.3	142	−1.3	−3.3	7.4
19	BD +22° 925	6.5	E.	20 5.3	143	−0.7	−2.9	8.5

Sternbedeckungen 1937

Ein- und Austritte für Königsberg

Tag		Stern	Größe	Phase	Welt-Zeit	P	a	b	Alter des Mondes
1937			m		h m	°	m	m	d
Febr.	20	BD +21° 1232	6.6	E.	16 58.1	93	−1.2	+0.8	9.4
	21	BD +19° 1734	7.2	E.	19 1.9	87	−1.4	+0.6	10.5
	28	q Virginis	5.4	A.	0 48.7	329	−0.9	−1.1	16.7
März	18	108 Tauri	6.2	E.	19 39.8	124	−0.4	−2.2	6.0
	18	n Tauri	5.1	E.	21 28.9	148	+0.4	−2.7	6.1
	19	BD +21° 1203	7.1	E.	22 5.0	130	0.0	−2.1	7.1
	25	e Leonis	5.1	E.	22 18.1	107	−1.4	−0.6	13.1
April	15	BD +21° 1072	6.7	E.	19 54.8	89	−0.3	−1.5	4.6
	17	2 B. Cancri	6.2	E.	20 55.2	80	−0.7	−1.4	6.6
	18	BD +13° 1994	6.8	E.	19 38.7	164	−0.3	−2.8	7.6
	20	BD +3° 2379	6.6	E.	22 25.8	124	−0.7	−1.9	9.7
	21	BD −0° 2422	6.8	E.	19 59.9	67	−2.2	+0.8	10.6
Mai	18	BD +0° 2728	6.1	E.	20 56.4	157	−0.5	−2.2	8.3
	19	13 B. Virginis	5.8	E.	21 49.4	61	−1.3	−1.1	9.3
	20	q Virginis	5.4	E.	19 42.0	56	—	—	10.3
Juni	21	ρ Ophiuchi	4.8	E.	21 9.0	137	−1.4	−0.6	13.0
Aug.	3	Venus	−3.6	E.	8 56.4	153	−0.8	−3.6	26.2
	3	Venus	−3.6	A.	9 42.0	226	−1.8	+1.1	26.2
	29	53 Tauri	5.4	A.	0 42.1	246	−0.5	+1.9	22.5
Sept.	14	36 Sagittarii	5.1	E.	19 8.3	22	−0.6	+0.7	9.8
	16	τ Capricorni	5.3	E.	18 39.0	84	−1.4	+0.6	11.9
	16	BD −14° 5839	7.0	E.	22 16.2	43	−0.6	−0.2	12.0
	23	ρ Arietis	5.6	A.	21 31.2	261	−0.6	+1.6	19.0
	25	ι Tauri	4.7	A.	23 9.2	297	−0.8	+0.8	21.0
	25	330 B. Tauri	6.3	A.	23 35.1	219	−0.2	+2.8	21.1
	26	105 Tauri	6.0	A.	1 23.5	301	−1.3	−0.2	21.1
Okt.	17	16 Piscium	5.6	E.	16 56.2	356	—	—	13.2
	22	13 Tauri	5.5	A.	0 5.2	183	—	—	17.5
	23	BD +20° 1105	5.9	A.	23 35.4	228	−0.7	+2.6	19.5
	26	1 Cancri	6.0	A.	4 2.5	229	−2.0	+2.5	21.7
Nov.	8	195 B. Sagittarii	6.3	E.	16 38.9	60	−0.9	−0.5	5.5
	9	BD −17° 5832	7.4	E.	18 13.6	48	−0.6	−0.4	6.6
	12	BD −5° 5790	7.3	E.	17 34.7	124	—	—	9.6
	20	ζ Tauri	3.0	E.	5 42.8	48	−0.5	−0.6	17.0
	21	ν Geminorum	4.1	A.	0 32.2	307	−1.2	−1.0	17.8
	23	84 B. Cancri	6.4	A.	3 13.9	267	−1.5	0.0	19.9
	24	ω Leonis	5.5	A.	3 12.9	330	−0.9	−1.5	21.0
	24	19 Sextantis	5.9	A.	23 27.8	236	−0.3	+3.4	21.8
Dez.	10	BD −2° 5858	6.4	E.	18 5.8	28	−0.7	+0.9	7.8
	19	1 Cancri	6.0	A.	20 47.4	246	−0.6	+2.2	16.9
	20	30 B. Cancri	6.1	A.	3 55.7	237	−1.4	−0.4	17.2
	20	60 Cancri	5.7	A.	21 6.2	261	−0.5	+1.8	17.9
	21	κ Cancri	5.1	A.	3 29.0	306	−0.9	−1.6	18.1
	23	237 B. Leonis	6.3	A.	2 42.5	334	−0.7	−1.4	20.1
	25	q Virginis	5.4	A.	5 51.3	240	−2.1	+0.2	22.2

Ein- und Austritte für München

Tag	Stern	Größe	Phase	Welt-Zeit	P	a	b	Alter des Mondes
1937		m		h m	°	m	m	d
Jan. 1	14 Sextantis	6.3	A.	3 33.3	259	−2.2	−0.1	18.1
2	237 B. Leonis	6.3	A.	1 54.6	292	−1.5	0.0	19.1
2	55 Leonis	6.0	A.	4 1.3	348	−0.5	−2.5	19.2
15	*BD* −7° 5727	7.4	E.	17 45.5	78	−0.7	−1.1	3.0
17	*BD* +3° 4909	6.9	E.	19 11.7	86	−0.8	−1.3	5.1
20	*BD* +18° 337	7.5	E.	18 55.2	74	−1.5	+0.1	8.1
20	*BD* +18° 347	7.3	E.	22 38.0	13	—	—	8.2
20	*BD* +18° 359	6.6	E.	23 39.9	97	−0.1	−1.6	8.3
22	*BD* +21° 539	6.8	E.	0 14.4	26	−1.1	+1.1	9.3
22	τ Tauri	4.3	E.	18 8.4	80	−1.4	+1.1	10.1
23	175 H[1]. Tauri	6.5	E.	16 49.1	115	−1.0	+0.6	11.1
Febr. 1	370 B. Virginis	6.0	A.	3 17.2	309	−1.4	−0.8	19.4
1	*BD* −11° 3398	6.5	A.	5 33.5	300	−1.3	−1.6	19.5
16	27 Arietis	6.4	E.	20 48.7	130	−0.1	−3.1	5.5
17	65 Arietis	5.9	E.	17 44.5	65	−1.6	+0.5	6.4
17	*BD* +20° 573	7.2	E.	20 20.0	155	—	—	6.5
18	ϰ Tauri	4.4	E.	17 51.6	142	−1.9	−3.4	7.4
18	*BD* +22° 712	6.8	E.	22 28.9	53	−0.9	−0.3	7.6
21	*BD* +20° 1549	7.0	E.	2 17.9	102	+0.2	−1.4	9.8
21	*BD* +19° 1734	7.2	E.	18 46.9	111	−1.5	−0.0	10.5
28	*q* Virginis	5.4	A.	0 44.7	307	−1.4	−0.6	16.7
März 18	108 Tauri	6.2	E.	19 56.2	158	0.0	−4.3	6.0
19	*BD* +21° 1203	7.1	E.	22 22.3	156	+0.4	−3.0	7.1
21	*BD* +16° 1657	7.4	E.	20 35.4	53	—	—	9.0
25	*e* Leonis	5.1	E.	22 10.6	129	−1.4	−0.9	13.1
April 1	ρ Ophiuchi	4.8	A.	3 13.0	266	−1.9	−0.1	19.3
15	*BD* +21° 1072	6.7	E.	20 2.2	110	−0.3	−1.7	4.6
17	2 B. Cancri	6.2	E.	20 58.2	100	−0.8	−1.6	6.6
20	*BD* +3° 2379	6.6	E.	22 32.2	140	−0.8	−2.1	9.7
21	*BD* −0° 2422	6.8	E.	19 38.9	98	−1.8	+0.2	10.6
Mai 16	ω Leonis	5.5	E.	21 19.7	101	−0.5	−1.7	6.3
18	*BD* +0° 2728	6.1	E.	21 10.1	179	−0.1	−3.2	8.3
19	13 B. Virginis	5.8	E.	21 43.3	79	−1.6	−1.0	9.3
20	*q* Virginis	5.4	E.	19 17.3	87	−2.1	+0.4	10.3
Juni 12	ϰ Cancri	5.1	E.	20 15.3	136	0.0	−2.0	3.9
20	*BD* −21° 4152	7.0	E.	22 54.4	115	−1.6	−1.4	12.1
21	ρ Ophiuchi	4.8	E.	21 1.2	151	−1.3	−1.0	13.0
Juli 17	Mars	−0.8	E.	21 31.1	60	−1.2	−0.7	9.7
Aug. 29	53 Tauri	5.4	A.	0 26.5	240	−0.2	+1.9	22.5
31	16 Geminorum	6.1	A.	3 3.1	228	−0.3	+2.8	24.6
Sept. 14	36 Sagittarii	5.1	E.	18 54.0	25	−1.1	+1.3	9.8
16	τ Capricorni	5.3	E.	18 20.1	86	−1.6	+1.0	11.9
16	*BD* −14° 5839	7.0	E.	22 9.4	48	−1.0	+0.1	12.0
23	ρ Arietis	5.6	A.	21 16.8	258	−0.3	+1.6	19.0
25	ι Tauri	4.7	A.	22 57.6	291	−0.5	+0.9	21.0
25	330 B. Tauri	6.3	A.	23 16.1	208	+0.3	+3.2	21.1

Sternbedeckungen 1937

Ein- und Austritte für München

Tag	Stern	Größe	Phase	Welt-Zeit	P	a	b	Alter des Mondes
1937		m		h m	°	m	m	d
Sept. 26	105 Tauri	6.0	A.	1 10.1	287	—1.2	+0.6	21.1
Okt. 11	115 B. Sagittarii	5.8	E.	17 57.5	103	—1.9	—1.1	7.3
11	121 B. Sagittarii	5.9	E.	18 53.3	35	—0.6	+0.3	7.3
17	*BD* —2° 5858	6.4	E.	0 43.3	44	—0.4	0.0	12.5
17	19 Piscium	5.3	E.	22 56.0	353	—	—	13.4
23	*BD* +20° 1105	5.9	A.	23 10.3	208	0.0	+4.1	19.5
Nov. 8	195 B. Sagittarii	6.3	E.	16 30.7	62	—1.4	—0.1	5.5
9	*BD* —17° 5832	7.4	E.	18 8.5	52	—1.0	—0.1	6.6
10	*BD* —13° 5779	7.0	E.	19 37.2	68	—1.0	—0.6	7.6
12	*BD* —5° 5790	7.3	E.	17 18.9	127	—	—	9.6
20	ζ Tauri	3.0	E.	5 43.5	74	—0.5	—1.0	17.0
21	ν Geminorum	4.1	A.	0 23.1	284	—1.5	+0.1	17.8
23	84 B. Cancri	6.4	A.	2 50.2	232	—	—	19.9
24	ω Leonis	5.5	A.	3 9.5	302	—1.4	—0.5	21.0
Dez. 10	*BD* —2° 5858	6.4	E.	17 51.8	35	—1.0	+1.2	7.8
11	19 Piscium	5.3	E.	17 36.1	353	—	—	8.8
15	36 Arietis	6.5	E.	0 35.4	34	—0.9	+0.7	12.0
19	1 Cancri	6.0	A.	20 25.3	220	0.0	+3.8	16.9
20	60 Cancri	5.7	A.	20 49.4	239	—0.1	+2.6	17.9
20	α Cancri	4.3	A.	21 48.3	333	—0.7	—1.0	18.0
21	κ Cancri	5.1	A.	3 27.3	284	—1.5	—0.9	18.1
23	237 B. Leonis	6.3	A.	2 40.0	307	—1.2	—0.5	20.1
23	55 Leonis	6.0	A.	4 32.9	357	—0.1	—3.2	20.2

0^h Welt-Zeit	Mondbewegung			Lage des Mondäquators gegen den Erdäquator							
	☊	$L_☾$	$M_☾$	i		Δ		☊′		$\Delta-$☋	
1937	°	°	°	°		°		°		°	
Jan. 1	263.5378	142.8505	102.95	23.667	14	80.048	523	3.812	7	356.505	7
11	263.0082	274.6144	233.60	23.681	14	79.525	523	3.805	6	356.512	6
21	262.4787	46.3784	4.25	23.695	14	79.002	523	3.799	7	356.518	6
31	261.9492	178.1424	134.90	23.709	14	78.479	523	3.792	7	356.524	7
Febr. 10	261.4196	309.9063	265.55	23.723	14	77.956	523	3.785	8	356.531	7
20	260.8901	81.6703	36.20	23.737	13	77.433	522	3.777	8	356.538	8
März 2	260.3605	213.4343	166.85	23.750	14	76.911	522	3.769	8	356.546	7
12	259.8310	345.1982	297.50	23.764	14	76.389	521	3.761	8	356.553	8
22	259.3015	116.9622	68.15	23.778	14	75.868	522	3.753	9	356.561	9
April 1	258.7719	248.7262	198.80	23.792	13	75.346	521	3.744	9	356.570	8
11	258.2424	20.4901	329.45	23.805	14	74.825	521	3.735	10	356.578	9
21	257.7129	152.2541	100.10	23.819	14	74.304	520	3.725	9	356.587	9
Mai 1	257.1833	284.0181	230.75	23.833	13	73.784	521	3.716	10	356.596	9
11	256.6538	55.7820	1.40	23.846	14	73.263	520	3.706	10	356.605	10
21	256.1242	187.5460	132.05	23.860	13	72.743	519	3.696	11	356.615	10
31	255.5947	319.3100	262.70	23.873	14	72.224	520	3.685	11	356.625	10
Juni 10	255.0652	91.0739	33.35	23.887	13	71.704	519	3.674	11	356.635	10
20	254.5356	222.8379	164.00	23.900	14	71.185	518	3.663	12	356.645	11
30	254.0061	354.6019	294.65	23.914	13	70.667	519	3.651	11	356.656	11
Juli 10	253.4765	126.3658	65.30	23.927	13	70.148	518	3.640	12	356.667	11
20	252.9470	258.1298	195.95	23.940	14	69.630	518	3.628	13	356.678	12
30	252.4175	29.8938	326.60	23.954	13	69.112	518	3.615	12	356.690	11
Aug. 9	251.8879	161.6577	97.25	23.967	13	68.594	518	3.603	13	356.701	12
19	251.3584	293.4217	227.90	23.980	13	68.076	517	3.590	13	356.713	12
29	250.8288	65.1857	358.55	23.993	14	67.559	517	3.577	14	356.725	13
Sept. 8	250.2993	196.9497	129.20	24.007	13	67.042	517	3.563	14	356.738	13
18	249.7698	328.7136	259.85	24.020	13	66.525	517	3.549	14	356.751	13
28	249.2402	100.4776	30.50	24.033	13	66.008	516	3.535	14	356.764	13
Okt. 8	248.7107	232.2416	161.15	24.046	12	65.492	516	3.521	15	356.777	14
18	248.1811	4.0055	291.80	24.058	13	64.976	516	3.506	15	356.791	14
28	247.6516	135.7695	62.45	24.071	13	64.460	515	3.491	15	356.805	14
Nov. 7	247.1221	267.5335	193.10	24.084	13	63.945	515	3.476	15	356.819	14
17	246.5925	39.2974	323.75	24.097	12	63.430	515	3.461	16	356.833	14
27	246.0630	171.0614	94.40	24.109	13	62.915	515	3.445	16	356.847	15
Dez. 7	245.5334	302.8254	225.05	24.122	12	62.400	515	3.429	16	356.862	15
17	245.0039	74.5893	355.70	24.134	13	61.885	514	3.413	16	356.877	15
27	244.4744	206.3533	126.35	24.147	12	61.371	514	3.397	17	356.892	16
37	243.9448	338.1173	257.00	24.159		60.857		3.380		356.908	

Mondkrater Mösting A. 1937

Tag		0ʰ Welt-Zeit								
		$\alpha_{☾} - \alpha_k$			$\delta_{☾} - \delta_k$			log sin p_k		
1937		s	s	s	″	″	″			
Jan.	1	− 8.22	+1.23	−0.01	+202.8	+ 7.5	−10.4	8.21960	−609	+ 33
	2	− 6.99	+1.10	−0.13	+210.3	− 1.6	− 9.1	8.21351	−532	+ 77
	3	− 5.89	+0.94	−0.16	+208.7	− 9.1	− 7.5	8.20819	−421	+111
	4	− 4.95	+0.77	−0.17	+199.6	−15.1	− 6.0	8.20398	−290	+131
	5	− 4.18		−0.16	+184.5		− 4.5	8.20108		+138
Jan.	20	− 3.20	−1.87		− 56.3	+16.5		8.23798	+115	
	21	− 5.07	−1.92	−0.05	− 39.8	+25.5	+ 9.0	8.23913	+ 49	− 66
	22	− 6.99	−1.62	+0.30	− 14.3	+33.9	+ 8.4	8.23962	− 32	− 81
	23	− 8.61	−1.00	+0.62	+ 19.6	+39.8	+ 5.9	8.23930	−129	− 97
	24	− 9.61	−0.24	+0.76	+ 59.4	+41.1	+ 1.3	8.23801	−235	−106
	25	− 9.85	+0.42	+0.66	+100.5	+37.8	− 3.3	8.23566	−341	−106
	26	− 9.43	+0.86	+0.44	+138.3	+30.8	− 7.0	8.23225	−432	− 91
	27	− 8.57	+1.03	+0.17	+169.1	+21.6	− 9.2	8.22793	−495	− 63
	28	− 7.54	+1.04	+0.01	+190.7	+11.7	− 9.9	8.22298	−524	− 29
	29	− 6.50	+0.94	−0.10	+202.4	+ 2.5	− 9.2	8.21774	−515	+ 9
	30	− 5.56	+0.80	−0.14	+204.9	− 5.8	− 8.3	8.21259	−465	+ 50
	31	− 4.76	+0.66	−0.14	+199.1	−12.7	− 6.9	8.20794	−382	+ 83
Febr.	1	− 4.10	+0.55	−0.11	+186.4	−18.1	− 5.4	8.20412	−269	+113
	2	− 3.55	+0.49	−0.06	+168.3	−22.0	− 3.9	8.20143	−139	+130
	3	− 3.06	+0.48	−0.01	+146.3	−24.6	− 2.6	8.20004	+ 2	+141
	4	− 2.58		+0.03	+121.7		− 1.5	8.20006		+141
Febr.	18	− 8.07	−1.47		− 22.1	+33.8		8.23802	−171	
	19	− 9.54	−0.77	+0.70	+ 11.7	+39.2	+ 5.4	8.23631	−216	− 45
	20	−10.31	−0.01	+0.76	+ 50.9	+40.3	+ 1.1	8.23415	−257	− 41
	21	−10.32	+0.64	+0.65	+ 91.2	+37.2	− 3.1	8.23158	−295	− 38
	22	− 9.68	+1.04	+0.40	+128.4	+30.8	− 6.4	8.22863	−335	− 40
	23	− 8.64	+1.17	+0.13	+159.2	+22.6	− 8.2	8.22528	−371	− 36
	24	− 7.47	+1.12	−0.05	+181.8	+13.6	− 9.0	8.22157	−398	− 27
	25	− 6.35	+0.98	−0.14	+195.4	+ 4.8	− 8.8	8.21759	−409	− 11
	26	− 5.37	+0.78	−0.20	+200.2	− 3.3	− 8.1	8.21350	−399	+ 10
	27	− 4.59	+0.61	−0.17	+196.9	−10.4	− 7.1	8.20951	−365	+ 34
	28	− 3.98	+0.49	−0.12	+186.5	−16.4	− 6.0	8.20586	−303	+ 62
März	1	− 3.49	+0.43	−0.06	+170.1	−21.0	− 4.6	8.20283	−216	+ 87
	2	− 3.06	+0.45	+0.02	+149.1	−24.2	− 3.2	8.20067	−105	+111
	3	− 2.61	+0.55	+0.10	+124.9	−25.8	− 1.6	8.19962	+ 22	+127
	4	− 2.06	+0.69	+0.14	+ 99.1	−25.9	− 0.1	8.19984	+158	+136
	5	− 1.37	+0.83	+0.14	+ 73.2	−24.7	+ 1.2	8.20142	+294	+136
	6	− 0.54		+0.06	+ 48.5		+ 2.3	8.20436		+128
März	19	−11.77	−0.11		+ 45.1	+42.2		8.23652	−422	
	20	−11.88	+0.71	+0.82	+ 87.3	+38.9	− 3.3	8.23230	−433	− 11
	21	−11.17	+1.22	+0.51	+126.2	+32.0	− 6.9	8.22797	−427	+ 6
	22	− 9.95		+0.19	+158.2		− 8.6	8.22370		+ 15

Tag		0^h Welt-Zeit								
		$\alpha_☾ - \alpha_k$			$\delta_☾ - \delta_k$			log sin p_k		
1937										
März	22	-9.95^s	$+1.41^s$	$+0.19^s$	$+158.2''$	$+23.4''$	$-8.6''$	8.22370	−412	+15
	23	−8.54	+1.37	−0.04	+181.6	+14.3	−9.1	8.21958	−392	+20
	24	−7.17	+1.19	−0.18	+195.9	+5.6	−8.7	8.21566	−369	+23
	25	−5.98	+0.95	−0.24	+201.5	−2.4	−8.0	8.21197	−343	+26
	26	−5.03	+0.71	−0.24	+199.1	−9.4	−7.0	8.20854	−310	+33
	27	−4.32	+0.52	−0.19	+189.7	−15.4	−6.0	8.20544	−268	+42
	28	−3.80	+0.40	−0.12	+174.3	−20.4	−5.0	8.20276	−213	+55
	29	−3.40	+0.40	0.00	+153.9	−24.0	−3.6	8.20063	−142	+71
	30	−3.00	+0.50	+0.10	+129.9	−26.2	−2.2	8.19921	−53	+89
	31	−2.50	+0.68	+0.18	+103.7	−26.8	−0.6	8.19868	+51	+104
April	1	−1.82	+0.90	+0.22	+76.9	−25.7	+1.1	8.19919	+168	+117
	2	−0.92	+1.08	+0.18	+51.2	−23.1	+2.6	8.20087	+294	+126
	3	+0.16	+1.14	+0.06	+28.1	−19.7	+3.4	8.20381	+420	+126
	4	+1.30	+1.03	−0.11	+8.4	−16.0	+3.7	8.20801	+536	+116
	5	+2.33		−0.28	−7.6		+3.1	8.21337		+95
April	18	-11.55^s	$+1.42^s$		$+159.7''$	$+26.3''$		8.22750	−573	
	19	−10.13	+1.49	$+0.07^s$	+186.0	+16.2	$-10.1''$	8.22177	−524	+49
	20	−8.64	+1.36	−0.13	+202.2	+6.7	−9.5	8.21653	−462	+62
	21	−7.28	+1.13	−0.23	+208.9	−1.8	−8.5	8.21191	−396	+66
	22	−6.15	+0.87	−0.26	+207.1	−9.0	−7.2	8.20795	−328	+68
	23	−5.28	+0.64	−0.23	+198.1	−15.1	−6.1	8.20467	−264	+64
	24	−4.64	+0.46	−0.18	+183.0	−20.3	−5.2	8.20203	−200	+64
	25	−4.18	+0.39	−0.07	+162.7	−24.2	−3.9	8.20003	−136	+64
	26	−3.79	+0.43	+0.04	+138.5	−26.9	−2.7	8.19867	−68	+68
	27	−3.36	+0.60	+0.17	+111.6	−28.0	−1.1	8.19799	+6	+74
	28	−2.76	+0.84	+0.24	+83.6	−27.4	+0.6	8.19805	+90	+84
	29	−1.92	+1.09	+0.25	+56.2	−25.2	+2.2	8.19895	+184	+94
	30	−0.83	+1.26	+0.17	+31.0	−21.4	+3.8	8.20079	+286	+102
Mai	1	+0.43	+1.28	+0.02	+9.6	−17.0	+4.4	8.20365	+395	+109
	2	+1.71	+1.13	−0.15	−7.4	−12.8	+4.2	8.20760	+501	+106
	3	+2.84	+0.82	−0.31	−20.2	−9.1	+3.7	8.21261	+597	+96
	4	+3.66	+0.38	−0.44	−29.3	−6.5	+2.6	8.21858	+671	+74
	5	+4.04		−0.58	−35.8		+1.5	8.22529		+37
Mai	17	-9.87^s	$+1.30^s$		$+207.1''$	$+9.8''$		8.22223	−621	
	18	−8.57	+1.15	-0.15^s	+216.9	+0.2	$-9.6''$	8.21602	−542	+79
	19	−7.42	+0.94	−0.21	+217.1	−7.9	−8.1	8.21060	−445	+97
	20	−6.48	+0.72	−0.22	+209.2	−14.7	−6.8	8.20615	−345	+100
	21	−5.76	+0.52	−0.20	+194.5	−20.2	−5.5	8.20270	−249	+96
	22	−5.24	+0.41	−0.11	+174.3	−24.5	−4.3	8.20021	−159	+90
	23	−4.83	+0.41	0.00	+149.8	−27.5	−3.0	8.19862	−77	+82
	24	−4.42	+0.51	+0.10	+122.3	−29.1	−1.6	8.19785	−2	+75
	25	−3.91	+0.73	+0.22	+93.2	−29.1	0.0	8.19783	+70	+72
	26	−3.18		+0.25	+64.1		+1.7	8.19853		+71

Mondkrater Mösting A. 1937

Tag	$\alpha_{☾} - \alpha_k$			$\delta_{☾} - \delta_k$			log sin p_k		
	0h Welt-Zeit								
1937									
Mai 26	−3.18	+0.98	+0.25	+64.1	−27.4	+1.7	8.19853	+141	+71
27	−2.20	+1.21	+0.23	+36.7	−24.1	+3.3	8.19994	+211	+70
28	−0.99	+1.31	+0.10	+12.6	−19.6	+4.5	8.20205	+287	+76
29	+0.32	+1.28	−0.03	−7.0	−14.7	+4.9	8.20492	+366	+79
30	+1.60	+1.08	−0.20	−21.7	−10.1	+4.6	8.20858	+446	+80
31	+2.68	+0.76	−0.32	−31.8	−6.1	+4.0	8.21304	+523	+77
Juni 1	+3.44	+0.33	−0.43	−37.9	−3.3	+2.8	8.21827	+587	+64
2	+3.77	−0.22	−0.55	−41.2	−1.2	+2.1	8.22414	+631	+44
3	+3.55		−0.62	−42.4		+2.0	8.23045		+8
Juni 16	−7.34	+0.66		+217.7	−13.0		8.21093	−485	
17	−6.68	+0.50	−0.16	+204.7	−19.4	−6.4	8.20608	−367	+118
18	−6.18	+0.40	−0.10	+185.3	−24.2	−4.8	8.20241	−247	+120
19	−5.78	+0.38	−0.02	+161.1	−27.7	−3.5	8.19994	−134	+113
20	−5.40	+0.46	+0.08	+133.4	−29.7	−2.0	8.19860	−30	+104
21	−4.94	+0.64	+0.18	+103.7	−30.2	−0.5	8.19830	+62	+92
22	−4.30	+0.86	+0.22	+73.5	−29.1	+1.1	8.19892	+140	+78
23	−3.44	+1.09	+0.23	+44.4	−26.3	+2.8	8.20032	+204	+64
24	−2.35	+1.22	+0.13	+18.1	−22.3	+4.0	8.20236	+260	+56
25	−1.13	+1.23	+0.01	−4.2	−17.5	+4.8	8.20496	+309	+49
26	+0.10	+1.11	−0.12	−21.7	−12.6	+4.9	8.20805	+355	+46
27	+1.21	+0.86	−0.25	−34.3	−8.0	+4.6	8.21160	+398	+43
28	+2.07	+0.51	−0.35	−42.3	−4.0	+4.0	8.21558	+439	+41
29	+2.58	+0.09	−0.42	−46.3	−0.8	+3.2	8.21997	+476	+37
30	+2.67	−0.39	−0.48	−47.1	+2.1	+2.9	8.22473	+501	+25
Juli 1	+2.28	−0.93	−0.54	−45.0	+5.2	+3.1	8.22974	+505	+4
2	+1.35		−0.56	−39.8		+4.1	8.23479		−26
Juli 15	−6.62	+0.30		+192.7	−22.9		8.20662	−371	
16	−6.32	+0.31	+0.01	+169.8	−27.3	−4.4	8.20291	−242	+129
17	−6.01	+0.41	+0.10	+142.5	−29.8	−2.5	8.20049	−112	+130
18	−5.60	+0.58	+0.17	+112.7	−30.7	−0.9	8.19937	+13	+125
19	−5.02	+0.79	+0.21	+82.0	−29.9	+0.8	8.19950	+123	+110
20	−4.23	+1.01	+0.22	+52.1	−27.6	+2.3	8.20073	+214	+91
21	−3.22	+1.14	+0.13	+24.5	−24.0	+3.6	8.20287	+285	+71
22	−2.08	+1.15	+0.01	+0.5	−19.7	+4.3	8.20572	+335	+50
23	−0.93	+1.02	−0.13	−19.2	−14.9	+4.8	8.20907	+366	+31
24	+0.09	+0.78	−0.24	−34.1	−10.4	+4.5	8.21273	+380	+14
25	+0.87	+0.45	−0.33	−44.5	−6.3	+4.1	8.21653	+384	+4
26	+1.32	+0.07	−0.38	−50.8	−2.4	+3.9	8.22037	+379	−5
27	+1.39	−0.34	−0.41	−53.2	+1.3	+3.7	8.22416	+369	−10
28	+1.05	−0.78	−0.44	−51.9	+5.3	+4.0	8.22785	+354	−15
29	+0.27	−1.20	−0.42	−46.6	+9.9	+4.6	8.23139	+331	−23
30	−0.93		−0.36	−36.7		+5.7	8.23470		−33

Tag		$\alpha_☾ - \alpha_k$ (s)			$\delta_☾ - \delta_k$ (″)			$\log \sin p_k$		
		0h Welt-Zeit								
1937										
Juli	30	− 0.93	−1.56	−0.36	− 36.7	+15.6	+5.7	8.23470	+298	− 33
	31	− 2.49	−1.76	−0.20	− 21.1	+22.4	+6.8	8.23768	+249	− 49
Aug.	1	− 4.25		+0.05	+ 1.3		+7.1	8.24017		− 74
Aug.	14	− 5.85	+0.51		+119.3	−30.8		8.20091	− 87	
	15	− 5.34	+0.77	+0.26	+ 88.5	−30.3	+0.5	8.20004	+ 51	+138
	16	− 4.57	+1.02	+0.25	+ 58.2	−28.2	+2.1	8.20055	+177	+126
	17	− 3.55	+1.16	+0.14	+ 30.0	−24.7	+3.5	8.20232	+288	+111
	18	− 2.39	+1.16	0.00	+ 5.3	−20.4	+4.3	8.20520	+374	+ 86
	19	− 1.23	+1.02	−0.14	− 15.1	−15.9	+4.5	8.20894	+433	+ 59
	20	− 0.21	+0.74	−0.28	− 31.0	−11.7	+4.2	8.21327	+459	+ 26
	21	+ 0.53	+0.37	−0.37	− 42.7	− 8.0	+3.7	8.21786	+455	− 4
	22	+ 0.90	−0.06	−0.43	− 50.7	− 4.5	+3.5	8.22241	+423	− 32
	23	+ 0.84	−0.52	−0.46	− 55.2	− 0.8	+3.7	8.22664	+370	− 53
	24	+ 0.32	−0.96	−0.44	− 56.0	+ 3.4	+4.2	8.23034	+304	− 66
	25	− 0.64	−1.36	−0.40	− 52.6	+ 8.7	+5.3	8.23338	+233	− 71
	26	− 2.00	−1.64	−0.28	− 43.9	+15.2	+6.5	8.23571	+162	− 71
	27	− 3.64	−1.74	−0.10	− 28.7	+22.5	+7.3	8.23733	+ 97	− 65
	28	− 5.38	−1.57	+0.17	− 6.2	+29.8	+7.3	8.23830	+ 37	− 60
	29	− 6.95	−1.11	+0.46	+ 23.6	+35.2	+5.4	8.23867	− 21	− 58
	30	− 8.06		+0.59	+ 58.8		+2.6	8.23846		− 65
Sept.	13	− 3.69	+1.25		+ 34.2	−25.2		8.20075	+216	
	14	− 2.44	+1.33	+0.08	+ 9.0	−20.6	+4.6	8.20291	+343	+127
	15	− 1.11	+1.21	−0.12	− 11.6	−15.8	+4.8	8.20634	+451	+108
	16	+ 0.10	+0.92	−0.29	− 27.4	−11.4	+4.4	8.21085	+529	+ 78
	17	+ 1.02	+0.50	−0.42	− 38.8	− 7.7	+3.7	8.21614	+571	+ 42
	18	+ 1.52	−0.01	−0.51	− 46.5	− 4.9	+2.8	8.22185	+568	− 3
	19	+ 1.51	−0.56	−0.55	− 51.4	− 2.2	+2.7	8.22753	+519	− 49
	20	+ 0.95	−1.14	−0.58	− 53.6	+ 1.1	+3.3	8.23272	+432	− 87
	21	− 0.19	−1.65	−0.51	− 52.5	+ 5.9	+4.8	8.23704	+315	−117
	22	− 1.84	−2.04	−0.39	− 46.6	+12.5	+6.6	8.24019	+180	−135
	23	− 3.88	−2.18	−0.14	− 34.1	+20.9	+8.4	8.24199	+ 48	−132
	24	− 6.06	−1.98	+0.20	− 13.2	+29.6	+8.7	8.24247	− 71	−119
	25	− 8.04	−1.40	+0.58	+ 16.4	+36.4	+6.8	8.24176	−168	− 97
	26	− 9.44	−0.62	+0.78	+ 52.8	+39.4	+3.0	8.24008	−240	− 72
	27	−10.06	+0.13	+0.75	+ 92.2	+38.0	−1.4	8.23768	−290	− 50
	28	− 9.93		+0.54	+130.2		−5.5	8.23478		− 31
Okt.	13	+ 0.23	+1.27		− 25.2	−10.7		8.20600	+488	
	14	+ 1.50	+0.90	−0.37	− 35.9	− 6.4	+4.3	8.21088	+588	+100
	15	+ 2.40	+0.39	−0.51	− 42.3	− 3.2	+3.2	8.21676	+656	+ 68
	16	+ 2.79		−0.60	− 45.5		+2.2	8.22332		+ 21

Mondkrater Mösting A. 1937

Tag		0^h Welt-Zeit								
		$\alpha_{☾} - \alpha_k$			$\delta_{☾} - \delta_k$			log sin p_k		
1937		s	s	s	″	″	″			
Okt.	16	+ 2.79	−0.21	−0.60	− 45.5	− 1.0	+ 2.2	8.22332	+677	+ 21
	17	+ 2.58	−0.89	−0.68	− 46.5	+ 1.0	+ 2.0	8.23009	+643	− 34
	18	+ 1.69	−1.57	−0.68	− 45.5	+ 3.8	+ 2.8	8.23652	+551	− 92
	19	+ 0.12	−2.20	−0.63	− 41.7	+ 8.7	+ 4.9	8.24203	+407	−144
	20	− 2.08	−2.62	−0.42	− 33.0	+16.4	+ 7.7	8.24610	+225	−182
	21	− 4.70	−2.66	−0.04	− 16.6	+26.1	+ 9.7	8.24835	+ 35	−190
	22	− 7.36	−2.20	+0.46	+ 9.5	+35.3	+ 9.2	8.24870	−153	−188
	23	− 9.56	−1.34	+0.86	+ 44.8	+41.1	+ 5.8	8.24717	−306	−153
	24	−10.90	−0.35	+0.99	+ 85.9	+41.2	+ 0.1	8.24411	−417	−111
	25	−11.25	+0.44	+0.79	+127.1	+36.3	− 4.9	8.23994	−486	− 69
	26	−10.81	+0.90	+0.46	+163.4	+27.7	− 8.6	8.23508	−509	− 23
	27	− 9.91		+0.13	+191.1		− 9.8	8.22999		+ 7
		s	s	s	″	″	″			
Nov.	11	+ 2.48	+0.90		− 41.3	− 1.6		8.20968	+583	
	12	+ 3.38	+0.39	−0.51	− 42.9	+ 1.5	+ 3.1	8.21551	+671	+ 88
	13	+ 3.77	−0.24	−0.63	− 41.4	+ 3.3	+ 1.8	8.22222	+726	+ 55
	14	+ 3.53	−0.93	−0.69	− 38.1	+ 4.9	+ 1.6	8.22948	+725	− 1
	15	+ 2.60	−1.67	−0.74	− 33.2	+ 7.4	+ 2.5	8.23673	+663	− 62
	16	+ 0.93	−2.35	−0.68	− 25.8	+12.0	+ 4.6	8.24336	+536	−127
	17	− 1.42	−2.83	−0.48	− 13.8	+19.7	+ 7.7	8.24872	+350	−186
	18	− 4.25	−2.85	−0.02	+ 5.9	+29.5	+ 9.8	8.25222	+124	−226
	19	− 7.10	−2.30	+0.55	+ 35.4	+38.4	+ 8.9	8.25346	−113	−237
	20	− 9.40	−1.37	+0.93	+ 73.8	+42.6	+ 4.2	8.25233	−327	−214
	21	−10.77	−0.37	+1.00	+116.4	+40.6	− 2.0	8.24906	−496	−169
	22	−11.14	+0.36	+0.73	+157.0	+33.2	− 7.4	8.24410	−607	−111
	23	−10.78	+0.73	+0.37	+190.2	+22.7	−10.5	8.23803	−655	− 48
	24	−10.05	+0.82	+0.09	+212.9	+11.6	−11.1	8.23148	−652	+ 3
	25	− 9.23	+0.72	−0.10	+224.5	+ 1.1	−10.5	8.22496	−609	+ 43
	26	− 8.51		−0.18	+225.6		− 9.2	8.21887		+ 68
		s	s	s	″	″	″			
Dez.	11	+ 3.89	−0.20		− 37.0	+ 7.4		8.22023	+677	
	12	+ 3.69	−0.82	−0.62	− 29.6	+ 9.2	+ 1.8	8.22700	+707	+ 30
	13	+ 2.87	−1.47	−0.65	− 20.4	+11.5	+ 2.3	8.23407	+688	− 19
	14	+ 1.40	−2.10	−0.63	− 8.9	+15.9	+ 4.4	8.24095	+607	− 81
	15	− 0.70	−2.52	−0.42	+ 7.0	+22.7	+ 6.8	8.24702	+460	−147
	16	− 3.22	−2.55	−0.03	+ 29.7	+31.0	+ 8.3	8.25162	+254	−206
	17	− 5.77	−2.10	+0.45	+ 60.7	+38.1	+ 7.1	8.25416	+ 15	−239
	18	− 7.87	−1.32	+0.78	+ 98.8	+40.7	+ 2.6	8.25431	−229	−244
	19	− 9.19	−0.54	+0.78	+139.5	+37.4	− 3.3	8.25202	−445	−216
	20	− 9.73	+0.02	+0.56	+176.9	+29.0	− 8.4	8.24757	−607	−162
	21	− 9.71	+0.29	+0.27	+205.9	+17.9	−11.1	8.24150	−703	− 96
	22	− 9.42	+0.37	+0.08	+223.8	+ 6.3	−11.6	8.23447	−731	− 28
	23	− 9.05	+0.31	−0.06	+230.1	− 4.4	−10.7	8.22716	−704	+ 27
	24	− 8.74	+0.20	−0.11	+225.7	−13.7	− 9.3	8.22012	−635	+ 69
	25	− 8.54		−0.07	+212.0		− 7.5	8.21377		+ 96

Verfinsterungen: E. Eintritte, A. Austritte (in Welt-Zeit)

TRABANT I

		h	m	
Febr.	7	18	2.2	E.
	9	12	30.7	E.
	11	6	59.3	E.
	13	1	27.7	E.
	14	19	56.3	E.
	16	14	24.8	E.
	18	8	53.3	E.
	20	3	21.8	E.
	21	21	50.3	E.
	23	16	18.8	E.
	25	10	47.3	E.
	27	5	15.8	E.
	28	23	44.3	E.
März	2	18	12.7	E.
	4	12	41.3	E.
	6	7	9.7	E.
	8	1	38.3	E.
	9	20	6.7	E.
	11	14	35.2	E.
	13	9	3.6	E.
	15	3	32.2	E.
	16	22	0.6	E.
	18	16	29.1	E.
	20	10	57.5	E.
	22	5	26.0	E.
	23	23	54.4	E.
	25	18	22.9	E.
	27	12	51.3	E.
	29	7	19.8	E.
	31	1	48.2	E.
April	1	20	16.7	E.
	3	14	45.1	E.
	5	9	13.6	E.
	7	3	42.0	E.
	8	22	10.5	E.
	10	16	38.8	E.
	12	11	7.4	E.
	14	5	35.7	E.
	16	0	4.2	E.
	17	18	32.6	E.
	19	13	1.1	E.
	21	7	29.4	E.
	23	1	57.9	E.
	24	20	26.3	E.
	26	14	54.8	E.
	28	9	23.1	E.
	30	3	51.6	E.
Mai	1	22	20.0	E.
	3	16	48.5	E.
	5	11	16.8	E.
	7	5	45.3	E.

TRABANT I

		h	m	
Mai	9	0	13.7	E.
	10	18	42.2	E.
	12	13	10.5	E.
	14	7	39.0	E.
	16	2	7.4	E.
	17	20	35.9	E.
	19	15	4.3	E.
	21	9	32.8	E.
	23	4	1.2	E.
	24	22	29.7	E.
	26	16	58.1	E.
	28	11	26.6	E.
	30	5	55.0	E.
Juni	1	0	23.5	E.
	2	18	51.9	E.
	4	13	20.4	E.
	6	7	48.8	E.
	8	2	17.3	E.
	9	20	45.7	E.
	11	15	14.2	E.
	13	9	42.7	E.
	15	4	11.2	E.
	16	22	39.6	E.
	18	17	8.2	E.
	20	11	36.6	E.
	22	6	5.2	E.
	24	0	33.7	E.
	25	19	2.2	E.
	27	13	30.7	E.
	29	7	59.2	E.
Juli	1	2	27.7	E.
	2	20	56.3	E.
	4	15	24.8	E.
	6	9	53.4	E.
	8	4	21.9	E.
	9	22	50.4	E.
	11	17	19.0	E.
	13	11	47.6	E.
	17	3	1.3	A.
	18	21	29.8	A.
	20	15	58.4	A.
	22	10	27.0	A.
	24	4	55.6	A.
	25	23	24.2	A.
	27	17	52.9	A.
	29	12	21.5	A.
	31	6	50.1	A.
Aug.	2	1	18.7	A.
	3	19	47.4	A.
	5	14	16.0	A.
	7	8	44.7	A.

TRABANT I

		h	m	
Aug.	9	3	13.3	A.
	10	21	42.0	A.
	12	16	10.7	A.
	14	10	39.3	A.
	16	5	8.0	A.
	17	23	36.7	A.
	19	18	5.4	A.
	21	12	34.1	A.
	23	7	2.8	A.
	25	1	31.5	A.
	26	20	0.2	A.
	28	14	28.9	A.
	30	8	57.6	A.
Sept.	1	3	26.3	A.
	2	21	55.1	A.
	4	16	23.8	A.
	6	10	52.5	A.
	8	5	21.3	A.
	9	23	50.0	A.
	11	18	18.8	A.
	13	12	47.5	A.
	15	7	16.2	A.
	17	1	45.0	A.
	18	20	13.7	A.
	20	14	42.5	A.
	22	9	11.3	A.
	24	3	40.0	A.
	25	22	8.8	A.
	27	16	37.5	A.
	29	11	6.3	A.
Okt.	1	5	35.1	A.
	3	0	3.8	A.
	4	18	32.6	A.
	6	13	1.4	A.
	8	7	30.2	A.
	10	1	58.9	A.
	11	20	27.7	A.
	13	14	56.5	A.
	15	9	25.3	A.
	17	3	54.0	A.
	18	22	22.8	A.
	20	16	51.6	A.
	22	11	20.4	A.
	24	5	49.1	A.
	26	0	17.9	A.
	27	18	46.7	A.
	29	13	15.5	A.
	31	7	44.2	A.
Nov.	2	2	13.0	A.
	3	20	41.8	A.
	5	15	10.6	A.

TRABANT I

		h	m	
Nov.	7	9	39.3	A.
	9	4	8.1	A.
	10	22	36.9	A.
	12	17	5.7	A.
	14	11	34.4	A.
	16	6	3.2	A.
	18	0	31.9	A.
	19	19	0.7	A.
	21	13	29.5	A.
	23	7	58.2	A.
	25	2	27.0	A.
	26	20	55.8	A.
	28	15	24.5	A.
	30	9	53.3	A.
Dez.	2	4	22.0	A.
	3	22	50.8	A.
	5	17	19.5	A.
	7	11	48.3	A.
	9	6	17.0	A.
	11	0	45.8	A.
	12	19	14.5	A.
	14	13	43.2	A.
	16	8	12.0	A.
	18	2	40.7	A.
	19	21	9.4	A.
	21	15	38.2	A.
	23	10	6.9	A.
	25	4	35.6	A.
	26	23	4.3	A.
	28	17	33.1	A.
	30	12	1.7	A.
	32	6	30.5	A.

TRABANT II

		h	m	
Febr.	8	13	19.6	E.
	12	2	36.4	E.
	15	15	53.2	E.
	19	5	9.9	E.
	22	18	26.7	E.
	26	7	43.3	E.
März	1	21	0.0	E.
	5	10	16.7	E.
	8	23	33.3	E.
	12	12	50.0	E.
	16	2	6.6	E.
	19	15	23.3	E.
	23	4	39.9	E.
	26	17	56.6	E.

Verfinsterungen: E. Eintritte, A. Austritte (in Welt-Zeit)

TRABANT II

Datum		h	m	
März	30	7	13.2	E.
April	2	20	29.9	E.
	6	9	46.6	E.
	9	23	3.3	E.
	13	12	20.0	E.
	17	1	36.7	E.
	20	14	53.5	E.
	24	4	10.3	E.
	27	17	27.1	E.
Mai	1	6	43.9	E.
	4	20	0.9	E.
	8	9	17.8	E.
	11	22	34.8	E.
	15	11	51.8	E.
	19	1	8.9	E.
	22	14	26.0	E.
	26	3	43.2	E.
	29	17	0.4	E.
Juni	2	6	17.8	E.
	5	19	35.1	E.
	9	8	52.6	E.
	12	22	10.0	E.
	16	11	27.7	E.
	20	0	45.2	E.
	23	14	3.0	E.
	27	3	20.6	E.
	30	16	38.6	E.
Juli	4	5	56.4	E.
	7	19	14.5	E.
	11	8	32.4	E.
	14	21	50.7	E.
	18	14	1.7	A.
	22	3	20.5	A.
	25	16	38.6	A.
	29	5	57.5	A.
Aug.	1	19	15.7	A.
	5	8	34.8	A.
	8	21	53.1	A.
	12	11	12.3	A.
	16	0	30.7	A.
	19	13	50.0	A.
	23	3	8.6	A.
	26	16	28.0	A.
	30	5	46.6	A.
Sept.	2	19	6.1	A.
	6	8	24.8	A.
	9	21	44.4	A.
	13	11	3.1	A.
	17	0	22.8	A.
	20	13	41.5	A.
	24	3	1.3	A.

TRABANT II

Datum		h	m	
Sept.	27	16	20.1	A.
Okt.	1	5	39.8	A.
	4	18	58.6	A.
	8	8	18.3	A.
	11	21	37.1	A.
	15	10	56.9	A.
	19	0	15.7	A.
	22	13	35.4	A.
	26	2	54.2	A.
	29	16	13.9	A.
Nov.	2	5	32.7	A.
	5	18	52.3	A.
	9	8	11.0	A.
	12	21	30.5	A.
	16	10	49.2	A.
	20	0	8.7	A.
	23	13	27.3	A.
	27	2	46.6	A.
	30	16	5.2	A.
Dez.	4	5	24.4	A.
	7	18	43.0	A.
	11	8	2.1	A.
	14	21	20.5	A.
	18	10	39.4	A.
	21	23	57.8	A.
	25	13	16.6	A.
	29	2	34.9	A.
	32	15	53.6	A.

TRABANT III

Datum		h	m	
Febr.	8	9	28.3	E.
	15	13	26.8	E.
	15	16	40.1	A.
	22	17	25.6	E.
	22	20	39.8	A.
März	1	21	24.2	E.
	2	0	39.2	A.
	9	1	23.2	E.
	9	4	39.1	A.
	16	5	21.8	E.
	16	8	38.5	A.
	23	9	20.2	E.
	23	12	37.8	A.
	30	13	18.5	E.
	30	16	36.8	A.
April	6	17	16.8	E.
	6	20	35.9	A.
	13	21	15.4	E.

TRABANT III

Datum		h	m	
April	14	0	35.3	A.
	21	1	13.9	E.
	21	4	34.4	A.
	28	5	12.9	E.
	28	8	34.3	A.
Mai	5	9	11.3	E.
	5	12	33.5	A.
	12	13	9.8	E.
	12	16	32.7	A.
	19	17	8.2	E.
	19	20	31.8	A.
	26	21	6.7	E.
	27	0	31.0	A.
Juni	3	1	5.7	E.
	3	4	30.7	A.
	10	5	4.5	E.
	17	9	3.9	E.
	24	13	2.9	E.
Juli	1	17	2.0	E.
	8	21	1.0	E.
	16	4	29.2	A.
	23	8	29.7	A.
	30	12	29.8	A.
Aug.	6	16	30.7	A.
	13	20	31.1	A.
	21	0	31.6	A.
	28	0	59.9	E.
	28	4	32.1	A.
Sept.	4	5	0.0	E.
	4	8	32.6	A.
	11	9	0.7	E.
	11	12	33.8	A.
	18	13	1.0	E.
	18	16	34.6	A.
	25	17	1.9	E.
	25	20	36.0	A.
Okt.	2	21	2.3	E.
	3	0	36.8	A.
	10	1	2.8	E.
	10	4	37.6	A.
	17	5	3.2	E.
	17	8	38.4	A.
	24	9	3.6	E.
	24	12	39.3	A.
	31	13	4.5	E.
	31	16	40.7	A.
Nov.	7	17	5.1	E.
	7	20	41.5	A.
	14	21	6.2	E.
	15	0	42.9	A.
	22	1	6.7	E.

TRABANT III

Datum		h	m	
Nov.	22	4	43.7	A.
	29	5	7.2	E.
	29	8	44.5	A.
Dez.	6	9	7.5	E.
	6	12	45.1	A.
	13	16	45.9	A.
	20	20	47.1	A.
	28	0	47.7	A.

TRABANT IV

Datum		h	m	
Febr.	9	1	20.4	E.
	9	3	14.4	A.
	25	19	13.7	E.
	25	21	24.6	A.
März	14	13	8.3	E.
	14	15	33.2	A.
	31	7	4.1	E.
	31	9	42.2	A.
April	17	0	59.8	E.
	17	3	50.0	A.
Mai	3	18	56.4	E.
	3	21	57.5	A.
	20	12	53.9	E.
	20	16	5.3	A.
Juni	6	6	52.1	E.
	6	10	12.9	A.
	23	0	51.2	E.
	23	4	21.0	A.
Juli	9	18	52.0	E.
	26	16	38.9	A.
Aug.	12	6	55.9	E.
	12	10	48.7	A.
	29	0	59.9	E.
	29	4	59.3	A.
Sept.	14	19	4.5	E.
	14	23	10.0	A.
Okt.	1	13	9.6	E.
	1	17	21.0	A.
	18	7	15.6	E.
	18	11	32.4	A.
Nov.	4	1	22.0	E.
	4	5	43.5	A.
	20	19	28.2	E.
	20	23	54.2	A.
Dez.	7	13	34.8	E.
	7	18	5.4	A.
	24	7	41.6	E.
	24	12	15.5	A.

0^h Welt-Zeit	α	β	p_α	a	b	U'	B'	P'
1937								
Jan. 1	16.″77	15.″03	+0.″04	37.″78	+1.″60	184.°663	−0.°051	+27.°990
9	16.58	14.85	0.03	37.34	1.38	184.899	0.170	27.980
17	16.40	14.69	0.03	36.94	1.15	185.135	0.289	27.969
25	16.24	14.55	0.02	36.58	0.90	185.372	0.408	27.958
Febr. 2	16.10	14.43	0.02	36.27	0.64	185.608	0.527	27.946
10	15.99	14.33	0.01	36.01	0.37	185.845	−0.646	+27.933
18	15.90	14.24	+0.01	35.81	+0.10	186.082	0.765	27.920
26	15.83	14.18	0.00	35.66	−0.18	186.319	0.884	27.906
März 6	15.79	14.14	0.00	35.56	0.47	186.556	1.004	27.891
14	15.77	14.12	0.00	35.52	0.75	186.794	1.123	27.877
22	15.77	14.13	0.00	35.53	−1.03	187.031	−1.243	+27.862
30	15.80	14.16	0.00	35.60	1.32	187.269	1.362	27.847
April 7	15.86	14.21	0.00	35.72	1.60	187.506	1.482	27.831
15	15.93	14.28	−0.01	35.89	1.87	187.744	1.601	27.814
23	16.03	14.37	0.01	36.11	2.14	187.982	1.721	27.797
Mai 1	16.15	14.48	−0.02	36.39	−2.39	188.220	−1.840	+27.779
9	16.30	14.61	0.02	36.71	2.64	188.459	1.960	27.760
17	16.47	14.76	0.03	37.08	2.87	188.697	2.079	27.742
25	16.65	14.92	0.04	37.49	3.09	188.936	2.199	27.723
Juni 2	16.85	15.10	0.04	37.94	3.29	189.175	2.318	27.703
10	17.06	15.30	−0.04	38.43	−3.48	189.413	−2.438	+27.682
18	17.29	15.51	0.05	38.95	3.64	189.652	2.558	27.661
26	17.53	15.72	0.05	39.49	3.77	189.892	2.678	27.640
Juli 4	17.78	15.94	0.05	40.05	3.87	190.131	2.798	27.618
12	18.03	16.17	0.05	40.62	3.94	190.371	2.918	27.595
20	18.28	16.39	−0.04	41.18	−3.98	190.610	−3.038	+27.572
28	18.53	16.61	0.04	41.73	3.98	190.850	3.158	27.548
Aug. 5	18.76	16.82	0.03	42.25	3.94	191.090	3.277	27.524
13	18.97	17.01	0.03	42.73	3.86	191.331	3.397	27.499
21	19.16	17.18	0.02	43.15	3.74	191.571	3.517	27.474
29	19.32	17.32	0.01	43.51	−3.60	191.812	−3.637	+27.448
Sept. 6	19.44	17.43	−0.01	43.79	3.43	192.052	3.757	27.422
14	19.52	17.50	0.00	43.98	3.23	192.293	3.877	27.395
22	19.56	17.53	0.00	44.07	3.01	192.534	3.997	27.368
30	19.56	17.53	0.00	44.06	2.79	192.776	4.117	27.340
Okt. 8	19.51	17.48	0.00	43.95	−2.57	193.017	−4.236	+27.312
16	19.42	17.40	+0.01	43.74	2.36	193.259	4.356	27.283
24	19.29	17.28	0.01	43.44	2.17	193.501	4.475	27.253
Nov. 1	19.12	17.13	0.02	43.07	2.01	193.744	4.595	27.223
9	18.92	16.95	0.03	42.63	1.88	193.986	4.714	27.192
17	18.70	16.76	+0.03	42.13	−1.78	194.229	−4.834	+27.161
25	18.47	16.55	0.04	41.59	1.73	194.472	4.953	27.129
Dez. 3	18.22	16.32	0.04	41.03	1.71	194.715	5.073	27.097
11	17.96	16.09	0.05	40.46	1.73	194.958	5.193	27.064
19	17.71	15.87	0.05	39.89	1.78	195.202	5.312	27.030
27	17.47	15.65	0.05	39.34	1.87	195.445	5.432	26.996
35	17.23	15.44	+0.04	38.81	−1.99	195.689	−5.552	+26.962

Saturn und Saturnsring 1937

0^h Welt-Zeit	U	B	P	$\log \frac{(\Delta)}{\Delta}$
1937				
Jan. 1	221°.722	+2°.434	+5°.067	9.98238
5	221.977	2.287	5.045	9.97976
9	222.250	2.130	5.022	9.97723
13	222.542	1.964	4.997	9.97481
17	222.852	1.789	4.971	9.97251
21	223.178	+1.606	+4.943	9.97033
25	223.518	1.416	4.914	9.96828
29	223.872	1.219	4.884	9.96637
Febr. 2	224.240	1.017	4.852	9.96460
6	224.620	0.809	4.819	9.96298
10	225.010	+0.596	+4.785	9.96151
14	225.410	0.379	4.750	9.96020
18	225.819	+0.158	4.714	9.95904
22	226.235	−0.066	4.677	9.95804
26	226.657	0.293	4.640	9.95721
März 2	227.084	−0.522	+4.602	9.95654
6	227.516	0.751	4.563	9.95603
10	227.951	0.981	4.524	9.95569
14	228.389	1.211	4.484	9.95552
18	228.828	1.440	4.444	9.95551
22	229.266	−1.669	+4.404	9.95567
26	229.703	1.896	4.364	9.95599
30	230.139	2.121	4.324	9.95648
April 3	230.572	2.343	4.284	9.95713
7	231.000	2.561	4.244	9.95794
11	231.423	−2.775	+4.204	9.95891
15	231.841	2.985	4.165	9.96003
19	232.251	3.190	4.126	9.96131
23	232.653	3.390	4.088	9.96274
27	233.046	3.584	4.051	9.96431
Mai 1	233.429	−3.771	+4.015	9.96602
5	233.801	3.952	3.980	9.96787
9	234.161	4.125	3.945	9.96986
13	234.508	4.290	3.911	9.97197
17	234.840	4.447	3.879	9.97420
21	235.158	−4.595	+3.848	9.97655
25	235.460	4.735	3.819	9.97901
29	235.745	4.865	3.791	9.98157
Juni 2	236.013	4.985	3.765	9.98422
6	236.263	5.095	3.740	9.98695
10	236.493	−5.194	+3.717	9.98976
14	236.703	5.282	3.696	9.99265
18	236.892	5.359	3.678	9.99559
22	237.059	5.424	3.662	9.99857
26	237.204	5.478	3.647	0.00159
30	237.327	5.520	3.635	0.00464
Juli 4	237.426	−5.550	+3.625	0.00770
1937				
Juli 4	237°.426	−5°.550	+3°.625	0.00770
8	237.501	5.567	3.618	0.01075
12	237.553	5.573	3.613	0.01379
16	237.580	5.566	3.610	0.01680
20	237.583	5.547	3.609	0.01976
24	237.561	−5.516	+3.611	0.02267
28	237.516	5.473	3.616	0.02550
Aug. 1	237.447	5.418	3.623	0.02825
5	237.355	5.353	3.632	0.03089
9	237.240	5.276	3.643	0.03341
13	237.103	−5.189	+3.657	0.03579
17	236.945	5.092	3.673	0.03802
21	236.768	4.987	3.690	0.04009
25	236.572	4.873	3.709	0.04198
29	236.360	4.751	3.730	0.04367
Sept. 2	236.132	−4.622	+3.752	0.04516
6	235.891	4.488	3.776	0.04643
10	235.638	4.349	3.801	0.04748
14	235.376	4.207	3.827	0.04829
18	235.107	4.063	3.853	0.04886
22	234.833	−3.918	+3.879	0.04919
26	234.557	3.773	3.906	0.04927
30	234.281	3.629	3.933	0.04909
Okt. 4	234.007	3.488	3.959	0.04867
8	233.738	3.351	3.985	0.04800
12	233.476	−3.219	+4.010	0.04709
16	233.223	3.093	4.034	0.04594
20	232.982	2.975	4.057	0.04457
24	232.754	2.865	4.079	0.04298
28	232.541	2.764	4.099	0.04119
Nov. 1	232.346	−2.673	+4.118	0.03920
5	232.170	2.593	4.135	0.03703
9	232.014	2.525	4.149	0.03470
13	231.880	2.469	4.161	0.03222
17	231.768	2.426	4.172	0.02961
21	231.680	−2.396	+4.180	0.02689
25	231.617	2.379	4.186	0.02406
29	231.579	2.376	4.190	0.02115
Dez. 3	231.565	2.386	4.191	0.01818
7	231.577	2.410	4.190	0.01516
11	231.615	−2.447	+4.186	0.01211
15	231.679	2.498	4.180	0.00904
19	231.767	2.562	4.171	0.00597
23	231.881	2.639	4.161	0.00292
27	232.019	2.728	4.148	9.99990
31	232.181	−2.829	+4.133	9.99691

0h Welt-Zeit		MIMAS L	MIMAS M	ENCELADUS L	ENCELADUS M	TETHYS L	DIONE L	DIONE M	RHEA L	RHEA M
1937		°	°	°	°	°	°	°	°	°
Jan.	1	36.588	240.71	71.618	116.1	176.002	14.353	299.4	186.311	13.6
	17	28.316	216.42	315.315	354.4	347.175	318.912	242.7	21.350	208.7
Juni	10	313.865	357.85	348.637	339.1	87.739	179.935	91.6	336.706	165.0
	26	305.593	333.56	232.345	217.4	258.913	124.492	34.8	171.745	0.1
Juli	12	297.320	309.28	116.055	95.7	70.087	69.050	338.0	6.785	195.3
	28	289.048	284.99	359.765	334.0	241.261	13.608	281.2	201.824	30.4
Aug.	13	280.776	260.71	243.477	212.3	52.434	318.165	224.4	36.864	225.6
	29	272.504	236.42	127.190	90.6	223.608	262.723	167.7	231.904	60.7
Sept.	14	264.232	212.14	10.904	328.9	34.782	207.280	110.8	66.943	255.9
	30	255.960	187.85	254.618	207.2	205.955	151.837	54.0	261.982	91.0
Okt.	16	247.689	163.56	138.334	85.5	17.129	96.394	357.3	97.022	286.2
Nov.	1	239.417	139.28	22.051	323.9	188.303	40.952	300.4	292.062	121.3
	17	231.145	114.99	265.768	202.2	359.477	345.509	243.7	127.101	316.4
Dez.	3	222.873	90.71	149.486	80.5	170.650	290.066	186.9	322.141	151.6
	19	214.602	66.42	33.204	318.8	341.824	234.623	130.1	157.180	346.7
	35	206.331	42.15	276.924	197.1	152.998	179.180	73.3	352.220	181.9

0h Welt-Zeit		TITAN L	TITAN M	HYPERION L	HYPERION M	HYPERION e	HYPERION log a	JAPETUS L	JAPETUS M
1937		°	°	°	°			°	°
Jan.	1	343.535	167.77	120.137	154.59	0.08287	2.33201	147.460	194.82
	17	344.765	168.98	29.866	65.30	0.08349	2.33218	220.070	267.42
Juni	10	355.840	179.86	294.560	338.47	0.08531	2.33223	153.556	200.84
	26	357.071	181.07	204.266	249.12	0.08509	2.33207	226.165	273.44
Juli	12	358.302	182.28	114.141	159.95	0.08481	2.33188	298.775	346.04
	28	359.532	183.49	24.206	70.97	0.08448	2.33168	11.384	58.65
Aug.	13	0.763	184.70	294.478	342.21	0.08412	2.33146	83.994	131.25
	29	1.993	185.91	204.968	253.67	0.08374	2.33123	156.603	203.85
Sept.	14	3.224	187.12	115.681	165.37	0.08336	2.33099	229.213	276.45
	30	4.454	188.32	26.619	77.30	0.08299	2.33077	301.822	349.05
Okt.	16	5.685	189.53	297.777	349.47	0.08265	2.33055	14.432	61.66
Nov.	1	6.916	190.74	209.143	261.85	0.08236	2.33032	87.041	134.26
	17	8.147	191.95	120.700	174.43	0.08211	2.33012	159.651	206.86
Dez.	3	9.377	193.16	32.429	87.18	0.08192	2.32996	232.260	279.46
	19	10.608	194.37	304.305	0.09	0.08183	2.32981	304.870	352.07
	35	11.838	195.58	216.299	273.12	0.08183	2.32970	17.479	64.67

0h Welt-Zeit		ϑ					γ	N	J	ω
		Mimas	Encel.	Tethys	Dione	Rhea	Rhea	Saturnsring		
1937		°	°	°	°	°	′	°	°	°
Jan.	1	129.4	193.5	133.6	34.0	255.6	21.97	127.871	6.747	41.877
	17	113.4	186.8	130.5	32.6	255.1	21.98	127.873	6.746	41.876
Febr.	2	97.4	180.1	127.3	31.3	254.7	21.99	127.874	6.746	41.875
	18	81.4	173.5	124.1	29.9	254.3	21.99	127.876	6.746	41.874
März	6	65.4	166.8	121.0	28.5	253.9	22.00	127.878	6.746	41.872
	22	49.4	160.1	117.8	27.2	253.5	22.01	127.880	6.746	41.871
April	7	33.4	153.4	114.6	25.8	253.1	22.02	127.882	6.745	41.870
	23	17.4	146.7	111.5	24.5	252.7	22.03	127.884	6.745	41.869
Mai	9	1.4	140.0	108.3	23.1	252.2	22.03	127.885	6.745	41.867
	25	345.4	133.3	105.1	21.7	251.8	22.04	127.887	6.745	41.866
Juni	10	329.4	126.6	102.0	20.4	251.4	22.05	127.889	6.745	41.865
	26	313.4	119.9	98.8	19.0	251.0	22.06	127.891	6.744	41.863
Juli	12	297.4	113.2	95.6	17.7	250.6	22.06	127.893	6.744	41.862
	28	281.4	106.5	92.5	16.3	250.2	22.07	127.895	6.744	41.861
Aug.	13	265.4	99.9	89.3	14.9	249.8	22.08	127.896	6.744	41.860
	29	249.4	93.2	86.1	13.6	249.4	22.09	127.898	6.744	41.858
Sept.	14	233.4	86.5	83.0	12.2	249.0	22.10	127.900	6.744	41.857
	30	217.4	79.8	79.8	10.9	248.5	22.10	127.902	6.743	41.856
Okt.	16	201.4	73.1	76.6	9.5	248.1	22.11	127.904	6.743	41.854
Nov.	1	185.4	66.4	73.5	8.1	247.7	22.12	127.905	6.743	41.853
	17	169.4	59.7	70.3	6.8	247.3	22.13	127.907	6.743	41.852
Dez.	3	153.4	53.0	67.1	5.4	246.9	22.14	127.909	6.743	41.851
	19	137.4	46.3	64.0	4.1	246.5	22.14	127.911	6.742	41.849
	35	121.4	39.6	60.8	2.7	246.1	22.15	127.913	6.742	41.848

$\log \frac{1}{1+\zeta}$, in Einheiten der 5. Dezimale

$u-U$		Mimas	Encel.	Tethys	Dione	Rhea	$u-U$	
0°	360°	−6+	−7+	−9+	−11+	−16+	180°	180°
10	350	−6+	−7+	−9+	−11+	−16+	170	190
20	340	−5+	−7+	−8+	−11+	−15+	160	200
30	330	−5+	−6+	−8+	−10+	−14+	150	210
40	320	−4+	−6+	−7+	− 9+	−12+	140	220
50	310	−3+	−5+	−6+	− 8+	−10+	130	230
60	300	−3+	−4+	−4+	− 6+	− 8+	120	240
70	290	−2+	−3+	−3+	− 4+	− 6+	110	250
80	280	−1+	−1+	−2+	− 2+	− 3+	100	260
90	270	0	0	0	0	0	90	270

0^h Welt-Zeit		TITAN			HYPERION			JAPETUS		
		U	*B*	*P*	*U*	*B*	*P*	*U*	*B*	*P*
1937		°	°	°	°	°	°	°	°	°
Jan.	1	223.346	+2.488	+4.727	220.210	+2.577	+5.177	298.190	− 5.912	− 6.858
	9	223.877	2.187	4.683	220.741	2.271	5.133	298.775	6.100	6.985
	17	224.481	1.850	4.633	221.346	1.928	5.083	299.440	6.308	7.129
	25	225.150	1.481	4.577	222.015	1.554	5.028	300.176	6.532	7.288
Febr.	2	225.874	1.086	4.515	222.739	1.153	4.967	300.973	6.769	7.457
	10	226.646	+0.669	+4.449	223.511	+0.729	+4.902	301.822	− 7.016	− 7.637
	18	227.457	+0.236	4.379	224.322	+0.289	4.833	302.715	7.269	7.825
	26	228.298	−0.210	4.306	225.162	−0.164	4.761	303.641	7.526	8.018
März	6	229.161	0.663	4.230	226.024	0.624	4.686	304.590	7.783	8.213
	14	230.036	1.118	4.152	226.899	1.087	4.609	305.554	8.038	8.410
	22	230.916	−1.571	+4.074	227.779	−1.548	+4.531	306.523	− 8.288	− 8.605
	30	231.792	2.018	3.995	228.654	2.001	4.452	307.487	8.530	8.798
April	7	232.656	2.453	3.917	229.517	2.444	4.374	308.437	8.762	8.986
	15	233.499	2.873	3.840	230.360	2.872	4.297	309.365	8.983	9.167
	23	234.314	3.273	3.765	231.174	3.279	4.222	310.260	9.189	9.340
Mai	1	235.092	−3.650	+3.693	231.952	−3.663	+4.150	311.115	− 9.379	− 9.503
	9	235.825	4.000	3.624	232.687	4.019	4.081	311.920	9.552	9.656
	17	236.506	4.319	3.560	233.369	4.343	4.017	312.667	9.705	9.796
	25	237.128	4.603	3.501	233.991	4.633	3.958	313.347	9.839	9.922
Juni	2	237.683	4.850	3.448	234.547	4.885	3.905	313.953	9.950	10.033
	10	238.164	−5.056	+3.402	235.029	−5.096	+3.859	314.476	−10.039	−10.128
	18	238.564	5.219	3.363	235.430	5.262	3.820	314.909	10.104	10.207
	26	238.877	5.336	3.333	235.745	5.383	3.789	315.247	10.145	10.268
Juli	4	239.099	5.406	3.312	235.970	5.456	3.768	315.484	10.161	10.310
	12	239.226	5.429	3.300	236.100	5.480	3.755	315.616	10.153	10.334
	20	239.256	−5.403	+3.296	236.134	−5.455	+3.752	315.641	−10.121	−10.339
	28	239.189	5.330	3.302	236.071	5.381	3.758	315.559	10.065	10.324
Aug.	5	239.027	5.211	3.318	235.913	5.261	3.774	315.373	9.987	10.291
	13	238.774	5.049	3.343	235.665	5.097	3.798	315.087	9.888	10.240
	21	238.438	4.848	3.376	235.333	4.894	3.831	314.710	9.771	10.172
	29	238.029	−4.614	+3.415	234.929	−4.658	+3.870	314.254	− 9.639	−10.090
Sept.	6	237.559	4.354	3.460	234.464	4.395	3.916	313.732	9.496	9.995
	14	237.043	4.076	3.509	233.953	4.113	3.965	313.161	9.345	9.890
	22	236.499	3.790	3.561	233.415	3.823	4.017	312.561	9.191	9.779
	30	235.946	3.504	3.613	232.867	3.533	4.069	311.951	9.041	9.666
Okt.	8	235.402	−3.229	+3.664	232.327	−3.254	+4.120	311.353	− 8.897	− 9.554
	16	234.886	2.974	3.713	231.816	2.996	4.169	310.787	8.766	9.447
	24	234.415	2.748	3.757	231.351	2.767	4.213	310.274	8.653	9.349
Nov.	1	234.006	2.559	3.794	230.947	2.575	4.250	309.831	8.561	9.264
	9	233.673	2.413	3.824	230.618	2.427	4.281	309.472	8.494	9.194
	17	233.427	−2.316	+3.847	230.376	−2.328	+4.304	309.209	− 8.455	− 9.143
	25	233.276	2.270	3.861	230.228	2.281	4.317	309.051	8.444	9.113
Dez.	3	233.224	2.277	3.866	230.179	2.289	4.322	309.003	8.462	9.103
	11	233.274	2.338	3.861	230.232	2.351	4.317	309.068	8.510	9.115
	19	233.427	2.451	3.847	230.388	2.466	4.303	309.246	8.587	9.150
	27	233.680	−2.615	+3.823	230.642	−2.633	+4.279	309.533	− 8.690	− 9.206

Saturnstrabanten 1937

HYPERION

0h Welt-Zeit 1937	$\alpha_{tr}-\alpha_{pl}$ (s)	Diff. (s)	$\delta_{tr}-\delta_{pl}$ (")	Diff. (")
Jan. 1	−14.8	+1.1	+19	+ 3
3	−13.7	+4.6	+22	− 3
5	− 9.1	+7.1	+19	− 8
7	− 2.0	+7.7	+11	−11
9	+ 5.7	+5.5	0	−11
11	+11.2	+1.0	−11	− 6
13	+12.2	−4.2	−17	+ 1
15	+ 8.0	−7.5	−16	+ 9
17	+ 0.5		− 7	
Juni 14	+ 9.6	−7.1	+ 3	+13
16	+ 2.5	−8.1	+16	+ 8
18	− 5.6	−6.4	+24	+ 1
20	−12.0	−3.3	+25	− 6
22	−15.3	+0.9	+19	−12
24	−14.4	+4.7	+ 7	−13
26	− 9.7	+7.8	− 6	−12
28	− 1.9	+8.4	−18	− 5
30	+ 6.5	+5.8	−23	+ 4
Juli 2	+12.3	+0.5	−19	+12
4	+12.8	−4.8	− 7	+16
6	+ 8.0	−8.0	+ 9	+12
8	0.0	−8.1	+21	+ 6
10	− 8.1	−5.8	+27	− 2
12	−13.9	−2.1	+25	− 9
14	−16.0	+2.2	+16	−13
16	−13.8	+6.1	+ 3	−14
18	− 7.7	+8.6	−11	−11
20	+ 0.9	+8.2	−22	− 2
22	+ 9.1	+4.5	−24	+ 8
24	+13.6	−1.4	−16	+14
26	+12.2	−6.5	− 2	+16
28	+ 5.7	−8.6	+14	+11
30	− 2.9	−7.8	+25	+ 3
Aug. 1	−10.7	−4.9	+28	− 5
3	−15.6	−0.7	+23	−11
5	−16.3	+3.8	+12	−14
7	−12.5		− 2	

0h Welt-Zeit 1937	$\alpha_{tr}-\alpha_{pl}$ (s)	Diff. (s)	$\delta_{tr}-\delta_{pl}$ (")	Diff. (")
Aug. 7	−12.5	+7.5	− 2	−13
9	− 5.0	+9.2	−15	− 8
11	+ 4.2	+7.4	−23	+ 1
13	+11.6	+2.6	−22	+10
15	+14.2	−3.6	−12	+15
17	+10.6	−7.8	+ 3	+14
19	+ 2.8	−9.0	+17	+ 9
21	− 6.2	−7.1	+26	0
23	−13.3	−3.5	+26	− 6
25	−16.8	+1.0	+20	−11
27	−15.8	+5.5	+ 9	−14
29	−10.3	+8.8	− 5	−12
31	− 1.5	+9.2	−17	− 6
Sept. 2	+ 7.7	+6.0	−23	+ 3
4	+13.7	+0.1	−20	+12
6	+13.8	−5.7	− 8	+15
8	+ 8.1	−8.9	+ 7	+12
10	− 0.8	−8.7	+19	+ 6
12	− 9.5	−5.9	+25	− 1
14	−15.4	−1.8	+24	− 7
16	−17.2	+3.0	+17	−12
18	−14.2	+7.1	+ 5	−13
20	− 7.1	+9.5	− 8	−10
22	+ 2.4	+8.2	−18	− 3
24	+10.6	+4.0	−21	+ 5
26	+14.6	−2.5	−16	+12
28	+12.1	−7.5	− 4	+13
30	+ 4.6	−9.2	+ 9	+10
Okt. 2	− 4.6	−7.8	+19	+ 5
4	−12.4	−4.3	+24	− 2
6	−16.7	+0.2	+22	− 8
8	−16.5	+4.9	+14	−11
10	−11.6	+8.4	+ 3	−12
12	− 3.2	+9.4	− 9	− 9
14	+ 6.2	+6.8	−18	− 1
16	+13.0	+1.2	−19	+ 6
18	+14.2	−4.9	−13	+12
20	+ 9.3		− 1	

0h Welt-Zeit 1937	$\alpha_{tr}-\alpha_{pl}$ (s)	Diff. (s)	$\delta_{tr}-\delta_{pl}$ (")	Diff. (")
Okt. 20	+ 9.3	−8.5	− 1	+12
22	+ 0.8	−8.9	+11	+ 8
24	− 8.1	−6.4	+19	+ 3
26	−14.5	−2.4	+22	− 3
28	−16.9	+2.2	+19	− 8
30	−14.7	+6.5	+11	−11
Nov. 1	− 8.2	+9.0	0	−11
3	+ 0.8	+8.6	−11	− 7
5	+ 9.4	+4.6	−18	+ 1
7	+14.0	−1.5	−17	+ 8
9	+12.5	−6.7	− 9	+11
11	+ 5.8	−8.8	+ 2	+11
13	− 3.0	−7.8	+13	+ 7
15	−10.8	−4.8	+20	+ 1
17	−15.6	−0.5	+21	− 5
19	−16.1	+4.0	+16	− 9
21	−12.1	+7.6	+ 7	−11
23	− 4.5	+9.0	− 4	− 9
25	+ 4.5	+7.1	−13	− 5
27	+11.6	+2.1	−18	+ 4
29	+13.7	−3.8	−14	+ 9
Dez. 1	+ 9.9	−7.7	− 5	+11
3	+ 2.2	−8.4	+ 6	+10
5	− 6.2	−6.6	+16	+ 4
7	−12.8	−2.9	+20	− 1
9	−15.7	+1.3	+19	− 6
11	−14.4	+5.4	+13	−10
13	− 9.0	+8.2	+ 3	−11
15	− 0.8	+8.4	− 8	− 8
17	+ 7.6	+5.1	−16	− 1
19	+12.7	−0.4	−17	+ 7
21	+12.3	−5.4	−10	+10
23	+ 6.9	−8.0	0	+11
25	− 1.1	−7.7	+11	+ 7
27	− 8.8	−5.1	+18	+ 2
29	−13.9	−1.2	+20	− 4
31	−15.1		+16	

0ʰ Welt-Zeit	JAPETUS $\alpha_{tr}-\alpha_{pl}$		$\delta_{tr}-\delta_{pl}$	
1937	s	s	″	″
Jan. 1	−16.6	−4.0	+ 17	−11
3	−20.6	−3.6	+ 6	−12
5	−24.2	−3.0	− 6	−12
7	−27.2	−2.4	− 18	−11
9	−29.6	−1.7	− 29	−11
11	−31.3	−1.0	− 40	−10
13	−32.3	−0.2	− 50	− 9
15	−32.5	+0.6	− 59	− 7
17	−31.9		− 66	
Juni 14	−20.4	−3.8	+ 21	−19
16	−24.2	−3.3	+ 2	−20
18	−27.5	−2.7	− 18	−19
20	−30.2	−2.0	− 37	−18
22	−32.2	−1.2	− 55	−17
24	−33.4	−0.5	− 72	−16
26	−33.9	+0.4	− 88	−14
28	−33.5	+1.3	−102	−11
30	−32.2	+2.1	−113	− 8
Juli 2	−30.1	+2.9	−121	− 5
4	−27.2	+3.7	−126	− 2
6	−23.5	+4.2	−128	+ 2
8	−19.3	+4.8	−126	+ 5
10	−14.5	+5.3	−121	+ 8
12	− 9.2	+5.5	−113	+12
14	− 3.7	+5.7	−101	+14
16	+ 2.0	+5.7	− 87	+17
18	+ 7.7	+5.5	− 70	+19
20	+13.2	+5.2	− 51	+21
22	+18.4	+4.7	− 30	+21
24	+23.1	+4.1	− 9	+22
26	+27.2	+3.5	+ 13	+21
28	+30.7	+2.7	+ 34	+21
30	+33.4	+1.8	+ 55	+20
Aug. 1	+35.2	+0.9	+ 75	+18
3	+36.1	0.0	+ 93	+15
5	+36.1	−1.0	+108	+12
7	+35.1		+120	

0ʰ Welt-Zeit	JAPETUS $\alpha_{tr}-\alpha_{pl}$		$\delta_{tr}-\delta_{pl}$	
1937	s	s	″	″
Aug. 7	+35.1	−1.8	+120	+10
9	+33.3	−2.6	+130	+ 7
11	+30.7	−3.4	+137	+ 3
13	+27.3	−4.1	+140	0
15	+23.2	−4.6	+140	− 4
17	+18.6	−5.2	+136	− 7
19	+13.4	−5.5	+129	−10
21	+ 7.9	−5.7	+119	−13
23	+ 2.2	−5.8	+106	−16
25	− 3.6	−5.7	+ 90	−18
27	− 9.3	−5.6	+ 72	−19
29	−14.9	−5.2	+ 53	−21
31	−20.1	−4.7	+ 32	−21
Sept. 2	−24.8	−4.1	+ 11	−22
4	−28.9	−3.5	− 11	−21
6	−32.4	−2.7	− 32	−20
8	−35.1	−1.8	− 52	−19
10	−36.9	−0.8	− 71	−17
12	−37.7	+0.1	− 88	−15
14	−37.6	+1.1	−103	−11
16	−36.5	+2.1	−114	− 9
18	−34.4	+3.0	−123	− 5
20	−31.4	+3.9	−128	− 2
22	−27.5	+4.6	−130	+ 2
24	−22.9	+5.2	−128	+ 5
26	−17.7	+5.7	−123	+ 9
28	−12.0	+6.1	−114	+11
30	− 5.9	+6.2	−103	+15
Okt. 2	+ 0.3	+6.2	− 88	+17
4	+ 6.5	+6.0	− 71	+19
6	+12.5	+5.7	− 52	+21
8	+18.2	+5.2	− 31	+21
10	+23.4	+4.5	− 10	+21
12	+27.9	+3.7	+ 11	+20
14	+31.6	+2.8	+ 31	+20
16	+34.4	+1.9	+ 51	+19
18	+36.3	+1.0	+ 70	+16
20	+37.3		+ 86	

0ʰ Welt-Zeit	JAPETUS $\alpha_{tr}-\alpha_{pl}$		$\delta_{tr}-\delta_{pl}$	
1937	s	s	″	″
Okt. 20	+37.3	0.0	+ 86	+13
22	+37.3	−1.0	+ 99	+11
24	+36.3	−1.9	+110	+ 8
26	+34.4	−2.8	+118	+ 6
28	+31.6	−3.5	+124	+ 2
30	+28.1	−4.2	+126	− 1
Nov. 1	+23.9	−4.7	+125	− 4
3	+19.2	−5.2	+121	− 7
5	+14.0	−5.5	+114	−10
7	+ 8.5	−5.7	+104	−12
9	+ 2.8	−5.7	+ 92	−14
11	− 2.9	−5.6	+ 78	−15
13	− 8.5	−5.4	+ 63	−17
15	−13.9	−5.0	+ 46	−18
17	−18.9	−4.5	+ 28	−18
19	−23.4	−3.9	+ 10	−18
21	−27.3	−3.3	− 8	−18
23	−30.6	−2.5	− 26	−17
25	−33.1	−1.7	− 43	−16
27	−34.8	−0.8	− 59	−15
29	−35.6	+0.1	− 74	−13
Dez. 1	−35.5	+0.9	− 87	−10
3	−34.6	+1.8	− 97	− 8
5	−32.8	+2.7	−105	− 5
7	−30.1	+3.4	−110	− 2
9	−26.7	+4.1	−112	+ 1
11	−22.6	+4.6	−111	+ 4
13	−18.0	+5.1	−107	+ 6
15	−12.9	+5.4	−101	+ 9
17	− 7.5	+5.5	− 92	+11
19	− 2.0	+5.5	− 81	+14
21	+ 3.5	+5.4	− 67	+15
23	+ 8.9	+5.2	− 52	+17
25	+14.1	+4.7	− 35	+17
27	+18.8	+4.2	− 18	+18
29	+23.0	+3.5	0	+17
31	+26.5		+ 17	

Östliche Elongationen (in Welt-Zeit)

MIMAS

		h			h			h			h
Jan.	0	20.1	Juli	2	17.0	Aug.	15	1.3	Sept.	27	9.7
	1	18.7		3	15.6		15	23.9		28	8.3
	2	17.3		4	14.3		16	22.5		29	6.9
	3	15.9		5	12.9		17	21.2		30	5.5
	4	14.6		6	11.5		18	19.8	Okt.	1	4.1
	5	13.2		7	10.1		19	18.4		2	2.7
	6	11.8		8	8.7		20	17.0		3	1.3
	7	10.4		9	7.4		21	15.7		3	23.9
	8	9.1		10	6.0		22	14.3		4	22.6
	9	7.7		11	4.6		23	12.9		5	21.2
	10	6.3		12	3.2		24	11.5		6	19.8
	11	4.9		13	1.8		25	10.1		7	18.4
	12	3.6		14	0.4		26	8.8		8	17.0
	13	2.2		14	23.0		27	7.4		9	15.6
	14	0.8		15	21.6		28	6.0		10	14.2
	14	23.4		16	20.3		29	4.6		11	12.8
	15	22.1		17	18.9		30	3.2		12	11.5
	16	20.7		18	17.5		31	1.8		13	10.1
	17	19.3		19	16.1	Sept.	1	0.4		14	8.7
	18	17.9		20	14.8		1	23.0		15	7.3
				21	13.4		2	21.7		16	5.9
				22	12.0		3	20.3		17	4.5
				23	10.6		4	18.9		18	3.1
				24	9.2		5	17.5		19	1.7
				25	7.9		6	16.1		20	0.3
				26	6.5		7	14.7		20	23.0
Juni	13	20.6		27	5.1		8	13.3		21	21.6
	14	19.2		28	3.7		9	11.9		22	20.2
	15	17.8		29	2.3		10	10.6		23	18.8
	16	16.5		30	0.9		11	9.2		24	17.5
	17	15.1		30	23.5		12	7.8		25	16.1
	18	13.7		31	22.1		13	6.4		26	14.7
	19	12.3	Aug.	1	20.8		14	5.0		27	13.3
	20	11.0		2	19.4		15	3.6		28	11.9
	21	9.6		3	18.0		16	2.2		29	10.6
	22	8.2		4	16.6		17	0.8		30	9.2
	23	6.8		5	15.2		17	23.4		31	7.8
	24	5.5		6	13.8		18	22.1	Nov.	1	6.4
	25	4.1		7	12.4		19	20.7		2	5.0
	26	2.7		8	11.0		20	19.3		3	3.6
	27	1.3		9	9.7		21	17.9		4	2.2
	27	23.9		10	8.3		22	16.6		5	0.8
	28	22.5		11	6.9		23	15.2		5	23.5
	29	21.1		12	5.5		24	13.8		6	22.1
	30	19.8		13	4.1		25	12.4		7	20.7
Juli	1	18.4		14	2.7		26	11.0		8	19.3

Östliche Elongationen (in Welt-Zeit)

MIMAS

Monat	Tag	h
Nov.	9	18.0
	10	16.6
	11	15.2
	12	13.8
	13	12.4
	14	11.1
	15	9.7
	16	8.3
	17	6.9
	18	5.5
	19	4.1
	20	2.8
	21	1.4
	22	0.0
	22	22.6
	23	21.3
	24	19.9
	25	18.5
	26	17.1
	27	15.8
	28	14.4
	29	13.0
	30	11.6
Dez.	1	10.3
	2	8.9
	3	7.5
	4	6.1
	5	4.7
	6	3.3
	7	1.9
	8	0.6
	8	23.2
	9	21.8
	10	20.4
	11	19.1
	12	17.7
	13	16.3
	14	14.9
	15	13.5
	16	12.2
	17	10.8
	18	9.4
	19	8.0
	20	6.6
	21	5.2
	22	3.9
	23	2.5

MIMAS

Monat	Tag	h
Dez.	24	1.1
	24	23.7
	25	22.4
	26	21.0
	27	19.6
	28	18.2
	29	16.9
	30	15.5
	31	14.1

ENCELADUS

Monat	Tag	h
Jan.	0	14.4
	1	23.3
	3	8.2
	4	17.1
	6	2.0
	7	10.9
	8	19.8
	10	4.7
	11	13.6
	12	22.5
	14	7.4
	15	16.3
	17	1.2
	18	10.1
Juni	14	2.0
	15	10.9
	16	19.8
	18	4.7
	19	13.5
	20	22.4
	22	7.3
	23	16.2
	25	1.1
	26	10.0
	27	18.9

ENCELADUS

Monat	Tag	h
Juni	29	3.8
	30	12.7
Juli	1	21.5
	3	6.4
	4	15.3
	6	0.2
	7	9.1
	8	18.0
	10	2.8
	11	11.7
	12	20.6
	14	5.5
	15	14.4
	16	23.3
	18	8.1
	19	17.0
	21	1.9
	22	10.8
	23	19.7
	25	4.6
	26	13.4
	27	22.3
	29	7.2
	30	16.1
Aug.	1	1.0
	2	9.8
	3	18.7
	5	3.6
	6	12.5
	7	21.4
	9	6.3
	10	15.1
	12	0.0
	13	8.9
	14	17.8
	16	2.6
	17	11.5
	18	20.4
	20	5.3
	21	14.1
	22	23.0
	24	7.9
	25	16.8
	27	1.6
	28	10.5
	29	19.4
	31	4.3

ENCELADUS

Monat	Tag	h
Sept.	1	13.1
	2	22.0
	4	6.9
	5	15.8
	7	0.6
	8	9.5
	9	18.4
	11	3.3
	12	12.1
	13	21.0
	15	5.9
	16	14.8
	17	23.6
	19	8.5
	20	17.4
	22	2.3
	23	11.1
	24	20.0
	26	4.9
	27	13.8
	28	22.6
	30	7.5
Okt.	1	16.4
	3	1.3
	4	10.2
	5	19.0
	7	3.9
	8	12.8
	9	21.7
	11	6.6
	12	15.5
	14	0.3
	15	9.2
	16	18.1
	18	3.0
	19	11.8
	20	20.7
	22	5.6
	23	14.5
	24	23.3
	26	8.2
	27	17.1
	29	2.0
	30	10.8
	31	19.7
Nov.	2	4.6
	3	13.5

Östliche Elongationen (in Welt-Zeit)

ENCELADUS

		h
Nov.	4	22.4
	6	7.2
	7	16.1
	9	1.0
	10	9.9
	11	18.8
	13	3.7
	14	12.5
	15	21.4
	17	6.3
	18	15.2
	20	0.1
	21	9.0
	22	17.9
	24	2.8
	25	11.7
	26	20.5
	28	5.4
	29	14.3
	30	23.2
Dez.	2	8.1
	3	17.0
	5	1.9
	6	10.8
	7	19.7
	9	4.6
	10	13.5
	11	22.4
	13	7.2
	14	16.1
	16	1.0
	17	9.9
	18	18.8
	20	3.7
	21	12.6
	22	21.5
	24	6.3
	25	15.2
	27	0.1
	28	9.0
	29	17.9
	31	2.8

TETHYS

		h
Jan.	1	18.5
	3	15.8
	5	13.1
	7	10.5
	9	7.8
	11	5.1
	13	2.4
	14	23.8
	16	21.1
	18	18.4
Juni	11	7.4
	13	4.7
	15	2.0
	16	23.3
	18	20.6
	20	18.0
	22	15.3
	24	12.6
	26	9.9
	28	7.2
	30	4.5
Juli	2	1.8
	3	23.1
	5	20.5
	7	17.8
	9	15.1
	11	12.4
	13	9.7
	15	7.0
	17	4.3
	19	1.6
	20	22.9
	22	20.2
	24	17.5
	26	14.8
	28	12.1
	30	9.4
Aug.	1	6.7
	3	4.0
	5	1.3
	6	22.6
	8	19.9
	10	17.2

TETHYS

		h
Aug.	12	14.5
	14	11.8
	16	9.1
	18	6.4
	20	3.7
	22	1.0
	23	22.2
	25	19.5
	27	16.8
	29	14.1
	31	11.4
Sept.	2	8.7
	4	6.0
	6	3.3
	8	0.5
	9	21.8
	11	19.1
	13	16.4
	15	13.7
	17	11.0
	19	8.3
	21	5.6
	23	2.9
	25	0.2
	26	21.5
	28	18.8
	30	16.1
Okt.	2	13.4
	4	10.7
	6	8.0
	8	5.3
	10	2.5
	11	23.8
	13	21.1
	15	18.4
	17	15.7
	19	13.0
	21	10.3
	23	7.6
	25	4.9
	27	2.2
	28	23.5
	30	20.8
Nov.	1	18.1
	3	15.4
	5	12.7
	7	10.0

TETHYS

		h
Nov.	9	7.3
	11	4.6
	13	1.9
	14	23.2
	16	20.5
	18	17.8
	20	15.1
	22	12.4
	24	9.7
	26	7.0
	28	4.4
	30	1.7
Dez.	1	23.0
	3	20.3
	5	17.6
	7	14.9
	9	12.2
	11	9.5
	13	6.9
	15	4.2
	17	1.5
	18	22.8
	20	20.1
	22	17.4
	24	14.7
	26	12.0
	28	9.4
	30	6.7
	32	4.0

DIONE

		h
Jan.	0	13.9
	3	7.6
	6	1.3
	8	19.0
	11	12.8
	14	6.5
	17	0.3
	19	18.0

Östliche Elongationen (in Welt-Zeit)

DIONE

		h
Juni	11	4.1
	13	21.8
	16	15.5
	19	9.2
	22	2.9
	24	20.6
	27	14.3
	30	8.0
Juli	3	1.7
	5	19.4
	8	13.0
	11	6.7
	14	0.4
	16	18.1
	19	11.8
	22	5.5
	24	23.1
	27	16.8
	30	10.5
Aug.	2	4.2
	4	21.9
	7	15.5
	10	9.2
	13	2.9
	15	20.5
	18	14.2
	21	7.8
	24	1.5
	26	19.1
	29	12.8
Sept.	1	6.4
	4	0.1
	6	17.7
	9	11.4
	12	5.0

DIONE

		h
Sept.	14	22.7
	17	16.3
	20	10.0
	23	3.6
	25	21.3
	28	14.9
Okt.	1	8.6
	4	2.3
	6	20.0
	9	13.6
	12	7.3
	15	0.9
	17	18.6
	20	12.3
	23	6.0
	25	23.6
	28	17.3
	31	10.9
Nov.	3	4.6
	5	22.3
	8	16.0
	11	9.6
	14	3.3
	16	20.9
	19	14.6
	22	8.3
	25	2.0
	27	19.6
	30	13.3
Dez.	3	7.0
	6	0.7
	8	18.4
	11	12.1
	14	5.8
	16	23.5

DIONE

		h
Dez.	19	17.2
	22	10.9
	25	4.6
	27	22.3
	30	16.1
	33	9.8

RHEA

		h
Jan.	2	15.1
	7	3.6
	11	16.1
	16	4.7
	20	17.2
		h
Juni	14	10.7
	18	23.2
	23	11.6
	28	0.1
Juli	2	12.6
	7	1.0
	11	13.5
	16	1.9
	20	14.3
	25	2.7
	29	15.1
Aug.	3	3.5

RHEA

		h
Aug.	7	15.9
	12	4.2
	16	16.6
	21	4.9
	25	17.3
	30	5.6
Sept.	3	18.0
	8	6.3
	12	18.7
	17	7.0
	21	19.3
	26	7.6
	30	19.9
Okt.	5	8.2
	9	20.6
	14	8.9
	18	21.3
	23	9.6
	27	22.0
Nov.	1	10.3
	5	22.7
	10	11.1
	14	23.5
	19	11.9
	24	0.3
	28	12.7
Dez.	3	1.1
	7	13.5
	12	2.0
	16	14.4
	21	2.9
	25	15.4
	30	3.8
	34	16.3

Elongationen und Konjunktionen (in Welt-Zeit)

TITAN

		h	
Jan.	3	19.8	Unt. Konj.
	7	19.4	Westl. El.
	11	14.5	Ob. Konj.
	15	14.7	Östl. El.
Juni	12	22.9	Unt. Konj.
	16	21.2	Westl. El.
	20	16.4	Ob. Konj.
	24	17.7	Östl. El.
	28	22.2	Unt. Konj.
Juli	2	20.4	Westl. El.
	6	15.5	Ob. Konj.
	10	16.7	Östl. El.
	14	21.2	Unt. Konj.
	18	19.3	Westl. El.
	22	14.3	Ob. Konj.
	26	15.4	Östl. El.
	30	19.7	Unt. Konj.
Aug.	3	17.7	Westl. El.
	7	12.7	Ob. Konj.
	11	13.6	Östl. El.
	15	17.9	Unt. Konj.
	19	15.8	Westl. El.
	23	10.7	Ob. Konj.
	27	11.5	Östl. El.
	31	15.7	Unt. Konj.
Sept.	4	13.7	Westl. El.
	8	8.4	Ob. Konj.
	12	9.1	Östl. El.
	16	13.3	Unt. Konj.
	20	11.3	Westl. El.
	24	6.0	Ob. Konj.
	28	6.6	Östl. El.
Okt.	2	10.8	Unt. Konj.
	6	8.9	Westl. El.
	10	3.6	Ob. Konj.
	14	4.1	Östl. El.
	18	8.3	Unt. Konj.
	22	6.6	Westl. El.
	26	1.3	Ob. Konj.
	30	1.8	Östl. El.

TITAN

		h	
Nov.	3	6.1	Unt. Konj.
	7	4.5	Westl. El.
	10	23.3	Ob. Konj.
	14	23.8	Östl. El.
	19	4.3	Unt. Konj.
	23	2.8	Westl. El.
	26	21.6	Ob. Konj.
	30	22.2	Östl. El.
Dez.	5	2.8	Unt. Konj.
	9	1.5	Westl. El.
	12	20.4	Ob. Konj.
	16	21.1	Östl. El.
	21	1.9	Unt. Konj.
	25	0.5	Westl. El.
	28	19.6	Ob. Konj.
	32	20.5	Östl. El.

HYPERION

		h	
Jan.	1	12.0	Westl. El.
	7	13.8	Ob. Konj.
	12	12.2	Östl. El.
	17	4.7	Unt. Konj.
Juni	16	15.5	Unt. Konj.
	22	16.5	Westl. El.
	28	11.6	Ob. Konj.
Juli	3	3.9	Östl. El.
	8	0.9	Unt. Konj.
	14	1.8	Westl. El.
	19	20.0	Ob. Konj.
	24	11.8	Östl. El.
	29	8.9	Unt. Konj.
Aug.	4	9.5	Westl. El.
	10	2.9	Ob. Konj.
	14	18.4	Östl. El.
	19	15.4	Unt. Konj.
	25	15.6	Westl. El.
	31	8.5	Ob. Konj.

HYPERION

		h	
Sept.	4	23.8	Östl. El.
	9	20.7	Unt. Konj.
	15	20.5	Westl. El.
	21	13.0	Ob. Konj.
	26	4.3	Östl. El.
Okt.	1	1.0	Unt. Konj.
	7	0.6	Westl. El.
	12	16.9	Ob. Konj.
	17	8.2	Östl. El.
	22	4.9	Unt. Konj.
	28	4.4	Westl. El.
Nov.	2	20.7	Ob. Konj.
	7	12.0	Östl. El.
	12	8.9	Unt. Konj.
	18	8.5	Westl. El.
	24	0.7	Ob. Konj.
	28	16.0	Östl. El.
Dez.	3	13.4	Unt. Konj.
	9	13.3	Westl. El.
	15	5.3	Ob. Konj.
	19	20.5	Östl. El.
	24	18.5	Unt. Konj.
	30	18.9	Westl. El.

JAPETUS

		h	
Jan.	15	9.7	Westl. El.
Juni	26	14.1	Westl. El.
Juli	15	17.6	Ob. Konj.
Aug.	3	19.6	Östl. El.
	24	5.1	Unt. Konj.
Sept.	13	11.0	Westl. El.
Okt.	2	6.1	Ob. Konj.
	21	1.2	Östl. El.
Nov.	10	8.3	Unt. Konj.
	30	20.8	Westl. El.
Dez.	20	1.7	Ob. Konj.

Welt-Zeit 1937		h	
Jan.	1	14	☉ in Erdnähe
	2	19	♆ ☌ ☾
	5	13	☿ stationär in AR.
	6	4	♂ ☌ ☾
	8	19	☿ im Perihel
	11	17	♃ ☌ ☾
	13	2	☿ ☌ ☾
	14	3	♅ stationär in AR.
	14	22	☿ untere ☌ ☉
	16	15	♀ ☌ ☾
	17	4	♄ ☌ ☾
	20	9	♅ ☌ ☾
	24	2	♀ ☌ ♄, ♀ 1° 56′ N.
	26	5	☿ stationär in AR.
	30	3	♆ ☌ ☾
Febr.	3	16	♂ ☌ ☾
	5	8	♀ gr. östl. El. 46° 50′
	7	14	☿ gr. westl. El. 25° 41′
	8	13	♃ ☌ ☾
	9	7	☿ ☌ ☾
	13	15	♄ ☌ ☾
	14	23	♀ ☌ ☾
	16	15	♅ ☌ ☾
	21	18	☿ im Aphel
	26	10	♆ ☌ ☾
März	1	14	♀ im Perihel
	3	23	♂ ☌ ☾
	8	9	♃ ☌ ☾
	8	14	♆ ☍ ☉
	12	4	☿ ☌ ☾
	12	16	♀ im größten Glanze
	13	5	♄ ☌ ☾
	15	14	♀ ☌ ☾
	15	24	♅ ☌ ☾
	16	6	♄ ☌ ☉
	21	1	Frühlingsanfang
	21	2	☿ ☌ ♄, ☿ 0° 19′ N.
	25	6	☿ obere ☌ ☉
	25	16	♆ ☌ ☾
	27	0	♀ stationär in AR.
	31	21	♂ ☌ ☾

Welt-Zeit 1937		h	
April	5	2	♃ ☌ ☾
	6	18	☿ im Perihel
	7	15	☿ ☌ ♀, ☿ 6° 49′ S.
	9	22	♄ ☌ ☾
	11	20	♀ ☌ ☾
	12	8	☿ ☌ ♅, ☿ 2° 25′ N.
	12	11	♅ ☌ ☾
	12	11	☿ ☌ ☾
	14	4	♂ stationär in AR.
	18	1	♀ untere ☌ ☉
	20	2	☿ gr. östl. El. 20° 2′
	21	21	♆ ☌ ☾
	28	3	♂ ☌ ☾
	30	9	♅ ☌ ☉
	30	21	☿ stationär in AR.
Mai	2	14	♃ ☌ ☾
	6	22	♀ stationär in AR.
	7	13	♄ ☌ ☾
	8	15	♀ ☌ ☾
	10	0	♅ ☌ ☾
	10	16	☿ ☌ ☾
	11	—	Merkurdurchgang
	11	10	☿ untere ☌ ☉
	15	17	♃ stationär in AR.
	19	2	♆ ☌ ☾
	19	19	♂ ☍ ☉
	20	18	☿ im Aphel
	23	16	☿ stationär in AR.
	24	1	♀ im größten Glanze
	24	18	♂ ☌ ☾
	28	4	♂ d. Erde am nächst.
	28	8	♆ stationär in AR.
	29	20	♃ ☌ ☾
Juni	4	2	♄ ☌ ☾
	5	22	♀ ☌ ☾
	6	13	♅ ☌ ☾
	6	23	☿ gr. westl. El. 24° 0′
	7	7	☿ ☌ ☾
	8	—	☉ totale Finsternis
	15	9	♆ ☌ ☾
	18	11	♀ ☌ ♅, ♀ 2° 39′ S.
	20	10	♂ ☌ ☾
	21	20	Sommersanfang
	21	23	♀ im Aphel
	25	21	♃ ☌ ☾
	27	2	♀ gr. westl. El. 45° 45′
	27	21	♂ stationär in AR.

Welt-Zeit 1937	h	
Juli 1	11	♄ ☌ ☾
3	17	☿ im Perihel
3	24	♅ ☌ ☾
4	23	♀ ☌ ☾
5	3	☉ in Erdferne
8	4	☿ ☌ ☾
8	11	☿ obere ☌ ☉
12	18	♆ ☌ ☾
15	8	♃ ☍ ☉
17	21	♂ ☌ ☾
18	10	♄ stationär in AR.
22	21	♃ ☌ ☾
28	16	♄ ☌ ☾
31	7	♅ ☌ ☾
Aug. 3	9	♀ ☌ ☾
8	16	☿ ☌ ☾
9	5	♆ ☌ ☾
14	20	☿ ☌ ♆, ☿ 2° 37′ S.
15	2	♂ ☌ ☾
16	17	☿ im Aphel
18	10	☿ gr. östl. El. 27° 25′
18	23	♃ ☌ ☾
19	16	♅ stationär in AR.
24	20	♄ ☌ ☾
27	13	♅ ☌ ☾
31	14	☿ stationär in AR.
Sept. 2	3	♀ ☌ ☾
5	15	♆ ☌ ☾
6	5	☿ ☌ ☾
11	21	♆ ☌ ☉
12	18	♂ ☌ ☾
13	23	♃ stationär in AR.
14	10	☿ untere ☌ ☉
15	0	☿ ☌ ♆, ☿ 4° 35′ S.
15	6	♃ ☌ ☾
21	1	♄ ☌ ☾
22	20	☿ stationär in AR.
23	11	Herbstanfang
23	18	♅ ☌ ☾
25	5	♄ ☍ ☉
29	17	☿ im Perihel
30	5	☿ gr. westl. El. 17° 53′
30	17	☿ ☌ ♆, ☿ 0° 15′ N.
Okt. 2	4	♀ ☌ ☾
3	1	♆ ☌ ☾
3	6	☿ ☌ ☾
11	6	♀ ☌ ♆, ♀ 0° 20′ N.
11	18	♂ ☌ ☾
12	6	♀ im Perihel
12	17	♃ ☌ ☾
18	8	♄ ☌ ☾
21	1	♅ ☌ ☾
29	10	☿ obere ☌ ☉
29	17	♂ ☌ ♃, ♂ 1° 30′ S.
30	8	♆ ☌ ☾
30	13	♂ im Perihel
Nov. 1	8	♀ ☌ ☾
3	12	☿ ☌ ☾
4	12	♅ ☍ ☉
9	7	♃ ☌ ☾
9	21	♂ ☌ ☾
12	16	☿ im Aphel
14	16	♄ ☌ ☾
17	11	♅ ☌ ☾
18	—	☾ part. Finsternis
26	15	♆ ☌ ☾
Dez. 1	14	♀ ☌ ☾
2	—	☉ ringf. Finsternis
2	21	♄ stationär in AR.
4	17	☿ ☌ ☾
6	24	♃ ☌ ☾
9	0	♂ ☌ ☾
12	1	♄ ☌ ☾
12	16	☿ gr. östl. El. 20° 38′
14	20	♅ ☌ ☾
20	16	☿ stationär in AR.
22	6	Wintersanfang
23	22	♆ ☌ ☾
24	8	♆ stationär in AR.
26	16	☿ im Perihel
30	3	☿ untere ☌ ☉

Präzession in Rektaszension (p_α) und Deklination (p_δ)

α \ δ	p_α +60°	+50°	+40°	+30°	+20°	+10°	0°	−10°	−20°	−30°	−40°	−50°	−60°	p_δ
h	s	s	s	s	s	s	s	s	s	s	s	s	s	"
0	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	+20.0
1	3.67	3.48	3.36	3.27	3.20	3.13	3.07	3.01	2.95	2.87	2.78	2.66	2.47	+19.4
2	4.23	3.87	3.63	3.46	3.32	3.19	3.07	2.95	2.83	2.69	2.51	2.28	1.92	+17.4
3	4.71	4.20	3.87	3.62	3.42	3.24	3.07	2.91	2.73	2.53	2.28	1.95	1.44	+14.2
4	5.08	4.45	4.04	3.74	3.49	3.28	3.07	2.87	2.65	2.41	2.10	1.69	1.07	+10.0
5	5.31	4.61	4.16	3.82	3.54	3.30	3.07	2.84	2.60	2.33	1.99	1.53	0.84	+ 5.2
6	5.39	4.67	4.19	3.84	3.56	3.31	3.07	2.84	2.59	2.30	1.95	1.48	0.76	0.0
7	5.31	4.61	4.16	3.82	3.54	3.30	3.07	2.84	2.60	2.33	1.99	1.53	0.84	− 5.2
8	5.08	4.45	4.04	3.74	3.49	3.28	3.07	2.87	2.65	2.41	2.10	1.69	1.07	−10.0
9	4.71	4.20	3.87	3.62	3.42	3.24	3.07	2.91	2.73	2.53	2.28	1.95	1.44	−14.2
10	4.23	3.87	3.63	3.46	3.32	3.19	3.07	2.95	2.83	2.69	2.51	2.28	1.92	−17.4
11	3.67	3.48	3.36	3.27	3.20	3.13	3.07	3.01	2.95	2.87	2.78	2.66	2.47	−19.4
12	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	−20.0
13	2.47	2.66	2.78	2.87	2.95	3.01	3.07	3.13	3.20	3.27	3.36	3.48	3.67	−19.4
14	1.92	2.28	2.51	2.69	2.83	2.95	3.07	3.19	3.32	3.46	3.63	3.87	4.23	−17.4
15	1.44	1.95	2.28	2.53	2.73	2.91	3.07	3.24	3.42	3.62	3.87	4.20	4.71	−14.2
16	1.07	1.69	2.10	2.41	2.65	2.87	3.07	3.28	3.49	3.74	4.04	4.45	5.08	−10.0
17	0.84	1.53	1.99	2.33	2.60	2.84	3.07	3.30	3.54	3.82	4.16	4.61	5.31	− 5.2
18	0.76	1.48	1.95	2.30	2.59	2.84	3.07	3.31	3.56	3.84	4.19	4.67	5.39	0.0
19	0.84	1.53	1.99	2.33	2.60	2.84	3.07	3.30	3.54	3.82	4.16	4.61	5.31	+ 5.2
20	1.07	1.69	2.10	2.41	2.65	2.87	3.07	3.28	3.49	3.74	4.04	4.45	5.08	+10.0
21	1.44	1.95	2.28	2.53	2.73	2.91	3.07	3.24	3.42	3.62	3.87	4.20	4.71	+14.2
22	1.92	2.28	2.51	2.69	2.83	2.95	3.07	3.19	3.32	3.46	3.63	3.87	4.23	+17.4
23	2.47	2.66	2.78	2.87	2.95	3.01	3.07	3.13	3.20	3.27	3.36	3.48	3.67	+19.4
24	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	+20.0

Präzessionswerte und Schiefe der Ekliptik

Zeit	m	n	ψ	$\log \pi$	Π	ε
	s	"	"		° '	° ' "
1900.0	3.07233	20.0468	50.2564	9.67309	173 57.06	23 27 8.26
1905.0	3.07243	20.0464	50.2575	9.67305	173 59.80	23 27 5.92
1910.0	3.07252	20.0460	50.2586	9.67302	174 2.53	23 27 3.57
1915.0	3.07261	20.0456	50.2597	9.67299	174 5.27	23 27 1.23
1920.0	3.07271	20.0451	50.2608	9.67296	174 8.01	23 26 58.89
1925.0	3.07280	20.0447	50.2620	9.67293	174 10.75	23 26 56.54
1930.0	3.07289	20.0443	50.2631	9.67290	174 13.49	23 26 54.20
1935.0	3.07299	20.0438	50.2642	9.67287	174 16.23	23 26 51.86
1940.0	3.07308	20.0434	50.2653	9.67284	174 18.97	23 26 49.52
1945.0	3.07317	20.0430	50.2664	9.67281	174 21.71	23 26 47.17
1950.0	3.07327	20.0426	50.2675	9.67278	174 24.45	23 26 44.83

Länge	Präzession in Länge p_λ										Präz. in Br. p_β		
	Breite β												
λ	0°	+1°	+2°	+3°	+4°	+5°	+6°	+7°	+8°	+9°	Länge λ	Präzession p_β	
0°	50.262″	.254″	.245″	.237″	.229″	50.221″	.213″	.205″	.196″	.188″	0°	+0.048″	80
10	.262	.254	.246	.238	.230	.222	.214	.206	.198	.190	10	+0.128	77
20	.262	.255	.247	.240	.232	.225	.217	.210	.202	.195	20	+0.205	70
30	.262	.255	.249	.242	.235	.229	.222	.215	.208	.202	30	+0.275	63
40	50.262	.256	.251	.245	.239	50.233	.227	.221	.216	.210	40	+0.338	52
50	.262	.257	.253	.248	.243	.239	.234	.229	.225	.220	50	+0.390	40
60	.262	.259	.255	.252	.249	.245	.242	.238	.235	.231	60	+0.430	26
70	.262	.260	.258	.256	.254	.252	.250	.248	.246	.244	70	+0.456	14
80	50.262	.261	.261	.260	.259	50.259	.258	.258	.257	.257	80	+0.470	1
90	.262	.263	.263	.264	.265	.266	.267	.268	.269	.270	90	+0.469	16
100	.262	.264	.267	.269	.271	.273	.275	.277	.280	.282	100	+0.453	29
110	.262	.266	.269	.273	.277	.280	.284	.287	.291	.294	110	+0.424	42
120	50.262	.267	.271	.276	.281	50.286	.291	.296	.301	.306	120	+0.382	54
130	.262	.268	.274	.280	.286	.292	.298	.304	.310	.316	130	+0.328	63
140	.262	.269	.275	.282	.289	.296	.303	.310	.317	.324	140	+0.265	72
150	.262	.270	.277	.285	.292	.300	.307	.315	.322	.330	150	+0.193	77
160	50.262	.270	.278	.286	.294	50.302	.310	.318	.326	.334	160	+0.116	81
170	.262	.270	.279	.287	.295	.303	.311	.319	.328	.336	170	+0.035	83
180	.262	.270	.279	.287	.295	.303	.311	.319	.328	.336	180	−0.048	80
190	.262	.270	.278	.286	.294	.302	.310	.318	.326	.334	190	−0.128	77
200	50.262	.269	.277	.284	.292	50.299	.307	.314	.322	.329	200	−0.205	70
210	.262	.269	.275	.282	.289	.295	.302	.309	.316	.322	210	−0.275	63
220	.262	.268	.273	.279	.285	.291	.297	.303	.308	.314	220	−0.338	52
230	.262	.267	.271	.276	.281	.285	.290	.295	.299	.304	230	−0.390	40
240	50.262	.265	.269	.272	.275	50.279	.282	.286	.289	.293	240	−0.430	26
250	.262	.264	.266	.268	.270	.272	.274	.276	.278	.280	250	−0.456	14
260	.262	.263	.263	.264	.265	.265	.266	.266	.267	.267	260	−0.470	1
270	.262	.261	.261	.260	.259	.258	.257	.256	.255	.254	270	−0.469	16
280	50.262	.260	.257	.255	.253	50.251	.249	.247	.244	.242	280	−0.453	29
290	.262	.258	.255	.251	.247	.244	.240	.237	.233	.230	290	−0.424	42
300	.262	.257	.253	.248	.243	.238	.233	.228	.223	.218	300	−0.382	54
310	.262	.256	.250	.244	.238	.232	.226	.220	.214	.208	310	−0.328	63
320	50.262	.255	.249	.242	.235	50.228	.221	.214	.207	.200	320	−0.265	72
330	.262	.254	.247	.239	.232	.224	.217	.209	.202	.194	330	−0.193	77
340	.262	.254	.246	.238	.230	.222	.214	.206	.198	.190	340	−0.116	81
350	.262	.254	.245	.237	.229	.221	.213	.205	.196	.188	350	−0.035	83
360	50.262	.254	.245	.237	.229	50.221	.213	.205	.196	.188	360	+0.048	

Länge λ	Präzession in Länge p_λ — Breite β: 0°	−1°	−2°	−3°	−4°	−5°	−6°	−7°	−8°	−9°	Länge λ	Präz. in Br. p_β — Präzession p_β	
0°	50.″262	.″270	.″279	.″287	.″295	50.″303	.″311	.″319	.″328	.″336	0°	+0.″048	80
10	.262	.270	.278	.286	.294	.302	.310	.318	.326	.334	10	+0.128	77
20	.262	.269	.277	.284	.292	.299	.307	.314	.322	.329	20	+0.205	70
30	.262	.269	.275	.282	.289	.295	.302	.309	.316	.322	30	+0.275	63
40	50.262	.268	.273	.279	.285	50.291	.297	.303	.308	.314	40	+0.338	52
50	.262	.267	.271	.276	.281	.285	.290	.295	.299	.304	50	+0.390	40
60	.262	.265	.269	.272	.275	.279	.282	.286	.289	.293	60	+0.430	26
70	.262	.264	.266	.268	.270	.272	.274	.276	.278	.280	70	+0.456	14
80	50.262	.263	.263	.264	.265	50.265	.266	.266	.267	.267	80	+0.470	1
90	.262	.261	.261	.260	.259	.258	.257	.256	.255	.254	90	+0.469	16
100	.262	.260	.257	.255	.253	.251	.249	.247	.244	.242	100	+0.453	29
110	.262	.258	.255	.251	.247	.244	.240	.237	.233	.230	110	+0.424	42
120	50.262	.257	.253	.248	.243	50.238	.233	.228	.223	.218	120	+0.382	54
130	.262	.256	.250	.244	.238	.232	.226	.220	.214	.208	130	+0.328	63
140	.262	.255	.249	.242	.235	.228	.221	.214	.207	.200	140	+0.265	72
150	.262	.254	.247	.239	.232	.224	.217	.209	.202	.194	150	+0.193	77
160	50.262	.254	.246	.238	.230	50.222	.214	.206	.198	.190	160	+0.116	81
170	.262	.254	.245	.237	.229	.221	.213	.205	.196	.188	170	+0.035	83
180	.262	.254	.245	.237	.229	.221	.213	.205	.196	.188	180	−0.048	80
190	.262	.254	.246	.238	.230	.222	.214	.206	.198	.190	190	−0.128	77
200	50.262	.255	.247	.240	.232	50.225	.217	.210	.202	.195	200	−0.205	70
210	.262	.255	.249	.242	.235	.229	.222	.215	.208	.202	210	−0.275	63
220	.262	.256	.251	.245	.239	.233	.227	.221	.216	.210	220	−0.338	52
230	.262	.257	.253	.248	.243	.239	.234	.229	.225	.220	230	−0.390	40
240	50.262	.259	.255	.252	.249	50.245	.242	.238	.235	.231	240	−0.430	26
250	.262	.260	.258	.256	.254	.252	.250	.248	.246	.244	250	−0.456	14
260	.262	.261	.261	.260	.259	.259	.258	.258	.257	.257	260	−0.470	1
270	.262	.263	.263	.264	.265	.266	.267	.268	.269	.270	270	−0.469	16
280	50.262	.264	.267	.269	.271	50.273	.275	.277	.280	.282	280	−0.453	29
290	.262	.266	.269	.273	.277	.280	.284	.287	.291	.294	290	−0.424	42
300	.262	.267	.271	.276	.281	.286	.291	.296	.301	.306	300	−0.382	54
310	.262	.268	.274	.280	.286	.292	.298	.304	.310	.316	310	−0.328	63
320	50.262	.269	.275	.282	.289	50.296	.303	.310	.317	.324	320	−0.265	72
330	.262	.270	.277	.285	.292	.300	.307	.315	.322	.330	330	−0.193	77
340	.262	.270	.278	.286	.294	.302	.310	.318	.326	.334	340	−0.116	81
350	.262	.270	.279	.287	.295	.303	.311	.319	.328	.336	350	−0.035	83
360	50.262	.270	.279	.287	.295	50.303	.311	.319	.328	.336	360	+0.048	

Red.	0^m	1^m	2^m	3^m	Red.		Red.	
s	h m s	h m s	h m s	h m s	s	m s	s	m s
0	0 0 0	6 5 15	12 10 29	18 15 44	0.00	0 0	0.50	3 3
1	0 6 5	6 11 20	12 16 34	18 21 49	0.01	0 4	0.51	3 6
2	0 12 10	6 17 25	12 22 40	18 27 54	0.02	0 7	0.52	3 10
3	0 18 16	6 23 30	12 28 45	18 33 59	0.03	0 11	0.53	3 14
4	0 24 21	6 29 36	12 34 50	18 40 5	0.04	0 15	0.54	3 17
5	0 30 26	6 35 41	12 40 55	18 46 10	0.05	0 18	0.55	3 21
6	0 36 31	6 41 46	12 47 1	18 52 15	0.06	0 22	0.56	3 25
7	0 42 37	6 47 51	12 53 6	18 58 20	0.07	0 26	0.57	3 28
8	0 48 42	6 53 56	12 59 11	19 4 26	0.08	0 29	0.58	3 32
9	0 54 47	7 0 2	13 5 16	19 10 31	0.09	0 33	0.59	3 35
10	1 0 52	7 6 7	13 11 21	19 16 36	0.10	0 37	0.60	3 39
11	1 6 58	7 12 12	13 17 27	19 22 41	0.11	0 40	0.61	3 43
12	1 13 3	7 18 17	13 23 32	19 28 47	0.12	0 44	0.62	3 46
13	1 19 8	7 24 23	13 29 37	19 34 52	0.13	0 47	0.63	3 50
14	1 25 13	7 30 28	13 35 42	19 40 57	0.14	0 51	0.64	3 54
15	1 31 19	7 36 33	13 41 48	19 47 2	0.15	0 55	0.65	3 57
16	1 37 24	7 42 38	13 47 53	19 53 7	0.16	0 58	0.66	4 1
17	1 43 29	7 48 44	13 53 58	19 59 13	0.17	1 2	0.67	4 5
18	1 49 34	7 54 49	14 0 3	20 5 18	0.18	1 6	0.68	4 8
19	1 55 40	8 0 54	14 6 9	20 11 23	0.19	1 9	0.69	4 12
20	2 1 45	8 6 59	14 12 14	20 17 28	0.20	1 13	0.70	4 16
21	2 7 50	8 13 5	14 18 19	20 23 34	0.21	1 17	0.71	4 19
22	2 13 55	8 19 10	14 24 24	20 29 39	0.22	1 20	0.72	4 23
23	2 20 1	8 25 15	14 30 30	20 35 44	0.23	1 24	0.73	4 27
24	2 26 6	8 31 20	14 36 35	20 41 49	0.24	1 28	0.74	4 30
25	2 32 11	8 37 26	14 42 40	20 47 55	0.25	1 31	0.75	4 34
26	2 38 16	8 43 31	14 48 45	20 54 0	0.26	1 35	0.76	4 38
27	2 44 22	8 49 36	14 54 51	21 0 5	0.27	1 39	0.77	4 41
28	2 50 27	8 55 41	15 0 56	21 6 10	0.28	1 42	0.78	4 45
29	2 56 32	9 1 47	15 7 1	21 12 16	0.29	1 46	0.79	4 49
30	3 2 37	9 7 52	15 13 6	21 18 21	0.30	1 50	0.80	4 52
31	3 8 43	9 13 57	15 19 12	21 24 26	0.31	1 53	0.81	4 56
32	3 14 48	9 20 2	15 25 17	21 30 31	0.32	1 57	0.82	4 59
33	3 20 53	9 26 8	15 31 22	21 36 37	0.33	2 1	0.83	5 3
34	3 26 58	9 32 13	15 37 27	21 42 42	0.34	2 4	0.84	5 7
35	3 33 3	9 38 18	15 43 33	21 48 47	0.35	2 8	0.85	5 10
36	3 39 9	9 44 23	15 49 38	21 54 52	0.36	2 11	0.86	5 14
37	3 45 14	9 50 28	15 55 43	22 0 58	0.37	2 15	0.87	5 18
38	3 51 19	9 56 34	16 1 48	22 7 3	0.38	2 19	0.88	5 21
39	3 57 24	10 2 39	16 7 54	22 13 8	0.39	2 22	0.89	5 25
40	4 3 30	10 8 44	16 13 59	22 19 13	0.40	2 26	0.90	5 29
41	4 9 35	10 14 49	16 20 4	22 25 19	0.41	2 30	0.91	5 32
42	4 15 40	10 20 55	16 26 9	22 31 24	0.42	2 33	0.92	5 36
43	4 21 45	10 27 0	16 32 14	22 37 29	0.43	2 37	0.93	5 40
44	4 27 51	10 33 5	16 38 20	22 43 34	0.44	2 41	0.94	5 43
45	4 33 56	10 39 10	16 44 25	22 49 39	0.45	2 44	0.95	5 47
46	4 40 1	10 45 16	16 50 30	22 55 45	0.46	2 48	0.96	5 51
47	4 46 6	10 51 21	16 56 35	23 1 50	0.47	2 52	0.97	5 54
48	4 52 12	10 57 26	17 2 41	23 7 55	0.48	2 55	0.98	5 58
49	4 58 17	11 3 31	17 8 46	23 14 0	0.49	2 59	0.99	6 2
50	5 4 22	11 9 37	17 14 51	23 20 6	0.50	3 3	1.00	6 5
51	5 10 27	11 15 42	17 20 56	23 26 11				
52	5 16 33	11 21 47	17 27 2	23 32 16				
53	5 22 38	11 27 52	17 33 7	23 38 21				
54	5 28 43	11 33 58	17 39 12	23 44 27				
55	5 34 48	11 40 3	17 45 17	23 50 32				
56	5 40 54	11 46 8	17 51 23	23 56 37				
57	5 46 59	11 52 13	17 57 28	24 2 42				
58	5 53 4	11 58 19	18 3 33	24 8 48				
59	5 59 9	12 4 24	18 9 38	24 14 53				

Die Reduktion
ist zur mittleren Zeit
zu addieren.

Red.	0^m	1^m	2^m	3^m	Red.		Red.	
s	h m s	h m s	h m s	h m s	s	m s	s	m s
0	0 0 0	6 6 15	12 12 29	18 18 44	0.00	0 0	0.50	3 3
1	0 6 6	6 12 21	12 18 35	18 24 50	0.01	0 4	0.51	3 7
2	0 12 12	6 18 27	12 24 42	18 30 56	0.02	0 7	0.52	3 10
3	0 18 19	6 24 33	12 30 48	18 37 2	0.03	0 11	0.53	3 14
4	0 24 25	6 30 40	12 36 54	18 43 9	0.04	0 15	0.54	3 18
5	0 30 31	6 36 46	12 43 0	18 49 15	0.05	0 18	0.55	3 21
6	0 36 37	6 42 52	12 49 7	18 55 21	0.06	0 22	0.56	3 25
7	0 42 44	6 48 58	12 55 13	19 1 27	0.07	0 26	0.57	3 29
8	0 48 50	6 55 4	13 1 19	19 7 34	0.08	0 29	0.58	3 32
9	0 54 56	7 1 11	13 7 25	19 13 40	0.09	0 33	0.59	3 36
10	1 1 2	7 7 17	13 13 31	19 19 46	0.10	0 37	0.60	3 40
11	1 7 9	7 13 23	13 19 38	19 25 52	0.11	0 40	0.61	3 43
12	1 13 15	7 19 29	13 25 44	19 31 59	0.12	0 44	0.62	3 47
13	1 19 21	7 25 36	13 31 50	19 38 5	0.13	0 48	0.63	3 51
14	1 25 27	7 31 42	13 37 56	19 44 11	0.14	0 51	0.64	3 54
15	1 31 34	7 37 48	13 44 3	19 50 17	0.15	0 55	0.65	3 58
16	1 37 40	7 43 54	13 50 9	19 56 23	0.16	0 59	0.66	4 2
17	1 43 46	7 50 1	13 56 15	20 2 30	0.17	1 2	0.67	4 5
18	1 49 52	7 56 7	14 2 21	20 8 36	0.18	1 6	0.68	4 9
19	1 55 59	8 2 13	14 8 28	20 14 42	0.19	1 10	0.69	4 13
20	2 2 5	8 8 19	14 14 34	20 20 48	0.20	1 13	0.70	4 16
21	2 8 11	8 14 26	14 20 40	20 26 55	0.21	1 17	0.71	4 20
22	2 14 17	8 20 32	14 26 46	20 33 1	0.22	1 21	0.72	4 24
23	2 20 24	8 26 38	14 32 53	20 39 7	0.23	1 24	0.73	4 27
24	2 26 30	8 32 44	14 38 59	20 45 13	0.24	1 28	0.74	4 31
25	2 32 36	8 38 51	14 45 5	20 51 20	0.25	1 32	0.75	4 35
26	2 38 42	8 44 57	14 51 11	20 57 26	0.26	1 35	0.76	4 38
27	2 44 49	8 51 3	14 57 18	21 3 32	0.27	1 39	0.77	4 42
28	2 50 55	8 57 9	15 3 24	21 9 38	0.28	1 43	0.78	4 46
29	2 57 1	9 3 16	15 9 30	21 15 45	0.29	1 46	0.79	4 49
30	3 3 7	9 9 22	15 15 36	21 21 51	0.30	1 50	0.80	4 53
31	3 9 14	9 15 28	15 21 43	21 27 57	0.31	1 54	0.81	4 57
32	3 15 20	9 21 34	15 27 49	21 34 3	0.32	1 57	0.82	5 0
33	3 21 26	9 27 41	15 33 55	21 40 10	0.33	2 1	0.83	5 4
34	3 27 32	9 33 47	15 40 1	21 46 16	0.34	2 5	0.84	5 8
35	3 33 38	9 39 53	15 46 8	21 52 22	0.35	2 8	0.85	5 11
36	3 39 45	9 45 59	15 52 14	21 58 28	0.36	2 12	0.86	5 15
37	3 45 51	9 52 5	15 58 20	22 4 35	0.37	2 16	0.87	5 19
38	3 51 57	9 58 12	16 4 26	22 10 41	0.38	2 19	0.88	5 22
39	3 58 3	10 4 18	16 10 33	22 16 47	0.39	2 23	0.89	5 26
40	4 4 10	10 10 24	16 16 39	22 22 53	0.40	2 26	0.90	5 30
41	4 10 16	10 16 30	16 22 45	22 29 0	0.41	2 30	0.91	5 33
42	4 16 22	10 22 37	16 28 51	22 35 6	0.42	2 34	0.92	5 37
43	4 22 28	10 28 43	16 34 57	22 41 12	0.43	2 37	0.93	5 41
44	4 28 35	10 34 49	16 41 4	22 47 18	0.44	2 41	0.94	5 44
45	4 34 41	10 40 55	16 47 10	22 53 24	0.45	2 45	0.95	5 48
46	4 40 47	10 47 2	16 53 16	22 59 31	0.46	2 48	0.96	5 52
47	4 46 53	10 53 8	16 59 22	23 5 37	0.47	2 52	0.97	5 55
48	4 53 0	10 59 14	17 5 29	23 11 43	0.48	2 56	0.98	5 59
49	4 59 6	11 5 20	17 11 35	23 17 49	0.49	2 59	0.99	6 3
50	5 5 12	11 11 27	17 17 41	23 23 56	0.50	3 3	1.00	6 6
51	5 11 18	11 17 33	17 23 47	23 30 2				
52	5 17 25	11 23 39	17 29 54	23 36 8				
53	5 23 31	11 29 45	17 36 0	23 42 14				
54	5 29 37	11 35 52	17 42 6	23 48 21				
55	5 35 43	11 41 58	17 48 12	23 54 27				
56	5 41 50	11 48 4	17 54 19	24 0 33				
57	5 47 56	11 54 10	18 0 25	24 6 39				
58	5 54 2	12 0 17	18 6 31	24 12 46				
59	6 0 8	12 6 23	18 12 37	24 18 52				

Die Reduktion ist von der Sternzeit zu subtrahieren.

Verwandlung von mittlerer Zeit in Sternzeit

Red. s	0m h m s	1m h m s	2m h m s	3m h m s	Red. s
0	0 0 0.0	6 5 14.5	12 10 29.1	18 15 43.6	0
1	6 5.2	11 19.8	16 34.3	21 48.8	1
2	12 10.5	17 25.0	22 39.6	27 54.1	2
3	18 15.7	23 30.3	28 44.8	33 59.3	3
4	24 21.0	29 35.5	34 50.0	40 4.6	4
5	30 26.2	35 40.7	40 55.3	46 9.8	5
6	36 31.5	41 46.0	47 0.5	52 15.1	6
7	42 36.7	47 51.2	53 5.8	18 58 20.3	7
8	48 41.9	6 53 56.5	12 59 11.0	19 4 25.5	8
9	0 54 47.2	7 0 1.7	13 5 16.2	10 30.8	9
10	1 0 52.4	6 7.0	11 21.5	16 36.0	10
11	6 57.7	12 12.2	17 26.7	22 41.3	11
12	13 2.9	18 17.4	23 32.0	28 46.5	12
13	19 8.1	24 22.7	29 37.2	34 51.8	13
14	25 13.4	30 27.9	35 42.5	40 57.0	14
15	31 18.6	36 33.2	41 47.7	47 2.2	15
16	37 23.9	42 38.4	47 52.9	53 7.5	16
17	43 29.1	48 43.7	13 53 58.2	19 59 12.7	17
18	49 34.4	7 54 48.9	14 0 3.4	20 5 18.0	18
19	1 55 39.6	8 0 54.1	6 8.7	11 23.2	19
20	2 1 44.8	6 59.4	12 13.9	17 28.4	20
21	7 50.1	13 4.6	18 19.2	23 33.7	21
22	13 55.3	19 9.9	24 24.4	29 38.9	22
23	20 0.6	25 15.1	30 29.6	35 44.2	23
24	26 5.8	31 20.3	36 34.9	41 49.4	24
25	32 11.1	37 25.6	42 40.1	47 54.7	25
26	38 16.3	43 30.8	48 45.4	20 53 59.9	26
27	44 21.5	49 36.1	14 54 50.6	21 0 5.1	27
28	50 26.8	8 55 41.3	15 0 55.9	6 10.4	28
29	2 56 32.0	9 1 46.6	7 1.1	12 15.6	29
30	3 2 37.3	7 51.8	13 6.3	18 20.9	30
31	8 42.5	13 57.0	19 11.6	24 26.1	31
32	14 47.8	20 2.3	25 16.8	30 31.4	32
33	20 53.0	26 7.5	31 22.1	36 36.6	33
34	26 58.2	32 12.8	37 27.3	42 41.8	34
35	33 3.5	38 18.0	43 32.5	48 47.1	35
36	39 8.7	44 23.3	49 37.8	21 54 52.3	36
37	45 14.0	50 28.5	15 55 43.0	22 0 57.6	37
38	51 19.2	9 56 33.7	16 1 48.3	7 2.8	38
39	3 57 24.4	10 2 39.0	7 53.5	13 8.0	39
40	4 3 29.7	8 44.2	13 58.8	19 13.3	40
41	9 34.9	14 49.5	20 4.0	25 18.5	41
42	15 40.2	20 54.7	26 9.2	31 23.8	42
43	21 45.4	27 0.0	32 14.5	37 29.0	43
44	27 50.7	33 5.2	38 19.7	43 34.3	44
45	33 55.9	39 10.4	44 25.0	49 39.5	45
46	40 1.1	45 15.7	50 30.2	22 55 44.7	46
47	46 6.4	51 20.9	16 56 35.5	23 1 50.0	47
48	52 11.6	10 57 26.2	17 2 40.7	7 55.2	48
49	4 58 16.9	11 3 31.4	8 45.9	14 0.5	49
50	5 4 22.1	9 36.6	14 51.2	20 5.7	50
51	10 27.4	15 41.9	20 56.4	26 11.0	51
52	16 32.6	21 47.1	27 1.7	32 16.2	52
53	22 37.8	27 52.4	33 6.9	38 21.4	53
54	28 43.1	33 57.6	39 12.1	44 26.7	54
55	34 48.3	40 2.9	45 17.4	50 31.9	55
56	40 53.6	46 8.1	51 22.6	23 56 37.2	56
57	46 58.8	52 13.3	17 57 27.9	24 2 42.4	57
58	53 4.0	11 58 18.6	18 3 33.1	8 47.7	58
59	5 59 9.3	12 4 23.8	18 9 38.4	24 14 52.9	59

Red. s	m s	Red. s	m s
0.00	0 0.0	0.50	3 2.6
01	3.7	51	6.3
02	7.3	52	9.9
03	11.0	53	13.6
04	14.6	54	17.2
0.05	18.3	0.55	20.9
06	21.9	56	24.5
07	25.6	57	28.2
08	29.2	58	31.8
09	32.9	59	35.5
0.10	36.5	0.60	39.1
11	40.2	61	42.8
12	43.8	62	46.5
13	47.5	63	50.1
14	51.1	64	53.8
0.15	54.8	0.65	3 57.4
16	0 58.4	66	4 1.1
17	1 2.1	67	4.7
18	5.7	68	8.4
19	9.4	69	12.0
0.20	13.0	0.70	15.7
21	16.7	71	19.3
22	20.4	72	23.0
23	24.0	73	26.6
24	27.7	74	30.3
0.25	31.3	0.75	33.9
26	35.0	76	37.6
27	38.6	77	41.2
28	42.3	78	44.9
29	45.9	79	48.5
0.30	49.6	0.80	52.2
31	53.2	81	55.8
32	1 56.9	82	4 59.5
33	2 0.5	83	5 3.2
34	4.2	84	6.8
0.35	7.8	0.85	10.5
36	11.5	86	14.1
37	15.1	87	17.8
38	18.8	88	21.4
39	22.4	89	25.1
0.40	26.1	0.90	28.7
41	29.7	91	32.4
42	33.4	92	36.0
43	37.1	93	39.7
44	40.7	94	43.3
0.45	44.4	0.95	47.0
46	48.0	96	50.6
47	51.7	97	54.3
48	55.3	98	5 57.9
0.49	2 59.0	0.99	6 1.6

Red. s	s	Red. s	s	Red. s	s
0.000		0.003		0.006	
	0.2		1.3		2.4
001		004		007	
	0.5		1.6		2.7
002		005		008	
	0.9		2.0		3.1
003		006		009	
	1.3		2.4		3.5
0.004		0.007		0.010	
					3.8

Die Reduktion ist zur mittleren Zeit zu addieren.

Red.	0^m	1^m	2^m	3^m	Red.
s	h m s	h m s	h m s	h m s	s
0	0 0 0.0	6 6 14.5	12 12 29.1	18 18 43.6	0
1	6 6.2	12 20.8	18 35.3	. 24 49.9	1
2	12 12.5	18 27.0	24 41.6	30 56.1	2
3	18 18.7	24 33.3	30 47.8	37 2.3	3
4	24 25.0	30 39.5	36 54.0	43 8.6	4
5	30 31.2	36 45.7	43 0.3	49 14.8	5
6	36 37.5	42 52.0	49 6.5	18 55 21.1	6
7	42 43.7	48 58.2	12 55 12.8	19 1 27.3	7
8	48 49.9	6 55 4.5	13 1 19.0	7 33.5	8
9	0 54 56.2	7 1 10.7	7 25.3	13 39.8	9
10	1 1 2.4	7 17.0	13 31.5	19 46.0	10
11	7 8.7	13 23.2	19 37.7	25 52.3	11
12	13 14.9	19 29.4	25 44.0	31 58.5	12
13	19 21.1	25 35.7	31 50.2	38 4.8	13
14	25 27.4	31 41.9	37 56.5	44 11.0	14
15	31 33.6	37 48.2	44 2.7	50 17.2	15
16	37 39.9	43 54.4	50 8.9	19 56 23.5	16
17	43 46.1	50 0.7	13 56 15.2	20 2 29.7	17
18	49 52.4	7 56 6.9	14 2 21.4	8 36.0	18
19	1 55 58.6	8 2 13.1	8 27.7	14 42.2	19
20	2 2 4.8	8 19.4	14 33.9	20 48.5	20
21	8 11.1	14 25.6	20 40.2	26 54.7	21
22	14 17.3	20 31.9	26 46.4	33 0.9	22
23	20 23.6	26 38.1	32 52.6	39 7.2	23
24	26 29.8	32 44.4	38 58.9	45 13.4	24
25	32 36.1	38 50.6	45 5.1	51 19.7	25
26	38 42.3	44 56.8	51 11.4	20 57 25.9	26
27	44 48.5	51 3.1	14 57 17.6	21 3 32.2	27
28	50 54.8	8 57 9.3	15 3 23.9	9 38.4	28
29	2 57 1.0	9 3 15.6	9 30.1	15 44.6	29
30	3 3 7.3	9 21.8	15 36.3	21 50.9	30
31	9 13.5	15 28.0	21 42.6	27 57.1	31
32	15 19.8	21 34.3	27 48.8	34 3.4	32
33	21 26.0	27 40.5	33 55.1	40 9.6	33
34	27 32.2	33 46.8	40 1.3	46 15.8	34
35	33 38.5	39 53.0	46 7.6	52 22.1	35
36	39 44.7	45 59.3	52 13.8	21 58 28.3	36
37	45 51.0	52 5.5	15 58 20.0	22 4 34.6	37
38	51 57.2	9 58 11.7	16 4 26.3	10 40.8	38
39	3 58 3.4	10 4 18.0	10 32.5	16 47.1	39
40	4 4 9.7	10 24.2	16 38.8	22 53.3	40
41	10 15.9	16 30.5	22 45.0	28 59.5	41
42	16 22.2	22 36.7	28 51.2	35 5.8	42
43	22 28.4	28 43.0	34 57.5	41 12.0	43
44	28 34.7	34 49.2	41 3.7	47 18.3	44
45	34 40.9	40 55.4	47 10.0	53 24.5	45
46	40 47.1	47 1.7	53 16.2	22 59 30.8	46
47	46 53.4	53 7.9	16 59 22.5	23 5 37.0	47
48	52 59.6	10 59 14.2	17 5 28.7	11 43.2	48
49	4 59 5.9	11 5 20.4	11 34.9	17 49.5	49
50	5 5 12.1	11 26.7	17 41.2	23 55.7	50
51	11 18.4	17 32.9	23 47.4	30 2.0	51
52	17 24.6	23 39.1	29 53.7	36 8.2	52
53	23 30.8	29 45.4	35 59.9	42 14.5	53
54	29 37.1	35 51.6	42 6.2	48 20.7	54
55	35 43.3	41 57.9	48 12.4	23 54 26.9	55
56	41 49.6	48 4.1	17 54 18.6	24 0 33.2	56
57	47 55.8	11 54 10.3	18 0 24.9	6 39.4	57
58	5 54 2.1	12 0 16.6	6 31.1	12 45.7	58
59	6 0 8.3	12 6 22.8	18 12 37.4	24 18 51.9	59

Die Reduktion ist von der Sternzeit zu subtrahieren.

Red.		Red.	
s	m s	s	m s
0.00	0 0.0	0.50	3 3.1
01	3.7	51	6.8
02	7.3	52	10.4
03	11.0	53	14.1
04	14.6	54	17.8
0.05	18.3	0.55	21.4
06	22.0	56	25.1
07	25.6	57	28.8
08	29.3	58	32.4
09	33.0	59	36.1
0.10	36.6	0.60	39.7
11	40.3	61	43.4
12	43.9	62	47.1
13	47.6	63	50.7
14	51.3	64	54.4
0.15	54.9	0.65	3 58.1
16	0 58.6	66	4 1.7
17	1 2.3	67	5.4
18	5.9	68	9.0
19	9.6	69	12.7
0.20	13.2	0.70	16.4
21	16.9	71	20.0
22	20.6	72	23.7
23	24.2	73	27.4
24	27.9	74	31.0
0.25	31.6	0.75	34.7
26	35.2	76	38.3
27	38.9	77	42.0
28	42.5	78	45.7
29	46.2	79	49.3
0.30	49.9	0.80	53.0
31	53.5	81	4 56.7
32	1 57.2	82	5 0.3
33	2 0.9	83	4.0
34	4.5	84	7.6
0.35	8.2	0.85	11.3
36	11.8	86	15.0
37	15.5	87	18.6
38	19.2	88	22.3
39	22.8	89	26.0
0.40	26.5	0.90	29.6
41	30.2	91	33.3
42	33.8	92	36.9
43	37.5	93	40.6
44	41.1	94	44.3
0.45	44.8	0.95	47.9
46	48.5	96	51.6
47	52.1	97	55.3
48	55.8	98	5 58.9
0.49	2 59.5	0.99	6 2.6

Red.		Red.		Red.	
s	s	s	s	s	s
0.000		0.003		0.006	
	0.2		1.3		2.4
001		004		007	
	0.5		1.6		2.7
002		005		008	
	0.9		2.0		3.1
003		006		009	
	1.3		2.4		3.5
0.004		0.007		0.010	
					3.8

m	0^h d	1^h d	2^h d	3^h d	4^h d	5^h d	s	d
0	0.000000	0.041667	0.083333	0.125000	0.166667	0.208333	0	0.000000
1	000694	042361	084028	125694	167361	209028	1	000012
2	001389	043056	084722	126389	168056	209722	2	000023
3	002083	043750	085417	127083	168750	210417	3	000035
4	002778	044444	086111	127778	169444	211111	4	000046
5	0.003472	0.045139	0.086806	0.128472	0.170139	0.211806	5	0.000058
6	004167	045833	087500	129167	170833	212500	6	000069
7	004861	046528	088194	129861	171528	213194	7	000081
8	005556	047222	088889	130556	172222	213889	8	000093
9	006250	047917	089583	131250	172917	214583	9	000104
10	0.006944	0.048611	0.090278	0.131944	0.173611	0.215278	10	0.000116
11	007639	049306	090972	132639	174306	215972	11	000127
12	008333	050000	091667	133333	175000	216667	12	000139
13	009028	050694	092361	134028	175694	217361	13	000150
14	009722	051389	093056	134722	176389	218056	14	000162
15	0.010417	0.052083	0.093750	0.135417	0.177083	0.218750	15	0.000174
16	011111	052778	094444	136111	177778	219444	16	000185
17	011806	053472	095139	136806	178472	220139	17	000197
18	012500	054167	095833	137500	179167	220833	18	000208
19	013194	054861	096528	138194	179861	221528	19	000220
20	0.013889	0.055556	0.097222	0.138889	0.180556	0.222222	20	0.000231
21	014583	056250	097917	139583	181250	222917	21	000243
22	015278	056944	098611	140278	181944	223611	22	000255
23	015972	057639	099306	140972	182639	224306	23	000266
24	016667	058333	100000	141667	183333	225000	24	000278
25	0.017361	0.059028	0.100694	0.142361	0.184028	0.225694	25	0.000289
26	018056	059722	101389	143056	184722	226389	26	000301
27	018750	060417	102083	143750	185417	227083	27	000313
28	019444	061111	102778	144444	186111	227778	28	000324
29	020139	061806	103472	145139	186806	228472	29	000336
30	0.020833	0.062500	0.104167	0.145833	0.187500	0.229167	30	0.000347
31	021528	063194	104861	146528	188194	229861	31	000359
32	022222	063889	105556	147222	188889	230556	32	000370
33	022917	064583	106250	147917	189583	231250	33	000382
34	023611	065278	106944	148611	190278	231944	34	000394
35	0.024306	0.065972	0.107639	0.149306	0.190972	0.232639	35	0.000405
36	025000	066667	108333	150000	191667	233333	36	000417
37	025694	067361	109028	150694	192361	234028	37	000428
38	026389	068056	109722	151389	193056	234722	38	000440
39	027083	068750	110417	152083	193750	235417	39	000451
40	0.027778	0.069444	0.111111	0.152778	0.194444	0.236111	40	0.000463
41	028472	070139	111806	153472	195139	236806	41	000475
42	029167	070833	112500	154167	195833	237500	42	000486
43	029861	071528	113194	154861	196528	238194	43	000498
44	030556	072222	113889	155556	197222	238889	44	000509
45	0.031250	0.072917	0.114583	0.156250	0.197917	0.239583	45	0.000521
46	031944	073611	115278	156944	198611	240278	46	000532
47	032639	074306	115972	157639	199306	240972	47	000544
48	033333	075000	116667	158333	200000	241667	48	000556
49	034028	075694	117361	159028	200694	242361	49	000567
50	0.034722	0.076389	0.118056	0.159722	0.201389	0.243056	50	0.000579
51	035417	077083	118750	160417	202083	243750	51	000590
52	036111	077778	119444	161111	202778	244444	52	000602
53	036806	078472	120139	161806	203472	245139	53	000613
54	037500	079167	120833	162500	204167	245833	54	000625
55	0.038194	0.079861	0.121528	0.163194	0.204861	0.246528	55	0.000637
56	038889	080556	122222	163889	205556	247222	56	000648
57	039583	081250	122917	164583	206250	247917	57	000660
58	040278	081944	123611	165278	206944	248611	58	000671
59	0.040972	0.082639	0.124306	0.165972	0.207639	0.249306	59	0.000683

m	6^h	7^h	8^h	9^h	10^h	11^h	s	
	d	d	d	d	d	d		d
0	0.250000	0.291667	0.333333	0.375000	0.416667	0.458333	0	0.000000
1	250694	292361	334028	375694	417361	459028	1	000012
2	251389	293056	334722	376389	418056	459722	2	000023
3	252083	293750	335417	377083	418750	460417	3	000035
4	252778	294444	336111	377778	419444	461111	4	000046
5	0.253472	0.295139	0.336806	0.378472	0.420139	0.461806	5	0.000058
6	254167	295833	337500	379167	420833	462500	6	000069
7	254861	296528	338194	379861	421528	463194	7	000081
8	255556	297222	338889	380556	422222	463889	8	000093
9	256250	297917	339583	381250	422917	464583	9	000104
10	0.256944	0.298611	0.340278	0.381944	0.423611	0.465278	10	0.000116
11	257639	299306	340972	382639	424306	465972	11	000127
12	258333	300000	341667	383333	425000	466667	12	000139
13	259028	300694	342361	384028	425694	467361	13	000150
14	259722	301389	343056	384722	426389	468056	14	000162
15	0.260417	0.302083	0.343750	0.385417	0.427083	0.468750	15	0.000174
16	261111	302778	344444	386111	427778	469444	16	000185
17	261806	303472	345139	386806	428472	470139	17	000197
18	262500	304167	345833	387500	429167	470833	18	000208
19	263194	304861	346528	388194	429861	471528	19	000220
20	0.263889	0.305556	0.347222	0.388889	0.430556	0.472222	20	0.000231
21	264583	306250	347917	389583	431250	472917	21	000243
22	265278	306944	348611	390278	431944	473611	22	000255
23	265972	307639	349306	390972	432639	474306	23	000266
24	266667	308333	350000	391667	433333	475000	24	000278
25	0.267361	0.309028	0.350694	0.392361	0.434028	0.475694	25	0.000289
26	268056	309722	351389	393056	434722	476389	26	000301
27	268750	310417	352083	393750	435417	477083	27	000313
28	269444	311111	352778	394444	436111	477778	28	000324
29	270139	311806	353472	395139	436806	478472	29	000336
30	0.270833	0.312500	0.354167	0.395833	0.437500	0.479167	30	0.000347
31	271528	313194	354861	396528	438194	479861	31	000359
32	272222	313889	355556	397222	438889	480556	32	000370
33	272917	314583	356250	397917	439583	481250	33	000382
34	273611	315278	356944	398611	440278	481944	34	000394
35	0.274306	0.315972	0.357639	0.399306	0.440972	0.482639	35	0.000405
36	275000	316667	358333	400000	441667	483333	36	000417
37	275694	317361	359028	400694	442361	484028	37	000428
38	276389	318056	359722	401389	443056	484722	38	000440
39	277083	318750	360417	402083	443750	485417	39	000451
40	0.277778	0.319444	0.361111	0.402778	0.444444	0.486111	40	0.000463
41	278472	320139	361806	403472	445139	486806	41	000475
42	279167	320833	362500	404167	445833	487500	42	000486
43	279861	321528	363194	404861	446528	488194	43	000498
44	280556	322222	363889	405556	447222	488889	44	000509
45	0.281250	0.322917	0.364583	0.406250	0.447917	0.489583	45	0.000521
46	281944	323611	365278	406944	448611	490278	46	000532
47	282639	324306	365972	407639	449306	490972	47	000544
48	283333	325000	366667	408333	450000	491667	48	000556
49	284028	325694	367361	409028	450694	492361	49	000567
50	0.284722	0.326389	0.368056	0.409722	0.451389	0.493056	50	0.000579
51	285417	327083	368750	410417	452083	493750	51	000590
52	286111	327778	369444	411111	452778	494444	52	000602
53	286806	328472	370139	411806	453472	495139	53	000613
54	287500	329167	370833	412500	454167	495833	54	000625
55	0.288194	0.329861	0.371528	0.413194	0.454861	0.496528	55	0.000637
56	288889	330556	372222	413889	455556	497222	56	000648
57	289583	331250	372917	414583	456250	497917	57	000660
58	290278	331944	373611	415278	456944	498611	58	000671
59	0.290972	0.332639	0.374306	0.415972	0.457639	0.499306	59	0.000683

I. Anzahl der am 0. Januar, 12^h Welt-Zeit, seit Anfang der Periode verflossenen Tage

Jahr n. Chr.	0	100	200	300	400	500	600	700	800	900
	17	17	17	18	18	19	19	19	20	20
0	21057	57582	94107	30632	67157	03682	40207	76732	13257	49782
4	22518	59043	95568	32093	68618	05143	41668	78193	14718	51243
8	23979	60504	97029	33554	70079	06604	43129	79654	16179	52704
12	25440	61965	98490	35015	71540	08065	44590	81115	17640	54165
16	26901	63426	99951	36476	73001	09526	46051	82576	19101	55626
20	28362	64887	01412	37937	74462	10987	47512	84037	20562	57087
24	29823	66348	02873	39398	75923	12448	48973	85498	22023	58548
28	31284	67809	04334	40859	77384	13909	50434	86959	23484	60009
32	32745	69270	05795	42320	78845	15370	51895	88420	24945	61470
36	34206	70731	07256	43781	80306	16831	53356	89881	26406	62931
40	35667	72192	08717	45242	81767	18292	54817	91342	27867	64392
44	37128	73653	10178	46703	83228	19753	56278	92803	29328	65853
48	38589	75114	11639	48164	84689	21214	57739	94264	30789	67314
52	40050	76575	13100	49625	86150	22675	59200	95725	32250	68775
56	41511	78036	14561	51086	87611	24136	60661	97186	33711	70236
60	42972	79497	16022	52547	89072	25597	62122	98647	35172	71697
64	44433	80958	17483	54008	90533	27058	63583	00108	36633	73158
68	45894	82419	18944	55469	91994	28519	65044	01569	38094	74619
72	47355	83880	20405	56930	93455	29980	66505	03030	39555	76080
76	48816	85341	21866	58391	94916	31441	67966	04491	41016	77541
80	50277	86802	23327	59852	96377	32902	69427	05952	42477	79002
84	51738	88263	24788	61313	97838	34363	70888	07413	43938	80463
88	53199	89724	26249	62774	99299	35824	72349	08874	45399	81924
92	54660	91185	27710	64235	00760	37285	73810	10335	46860	83385
96	56121	92646	29171	65696	02221	38746	75271	11796	48321	84846
100	57582	94107	30632	67157	03682	40207	76732	13257	49782	86307
	17	17	18	18	19	19	19	20	20	20

Ia. Anzahl der am 0. eines jeden Monats, 12^h Welt-Zeit, seit Beginn der Schaltperiode verflossenen Tage

Jahr	Jan. 0	Febr. 0	März 0	April 0	Mai 0	Juni 0	Juli 0	Aug. 0	Sept. 0	Okt. 0	Nov. 0	Dez. 0
0	0	31	60	91	121	152	182	213	244	274	305	335
1	366	397	425	456	486	517	547	578	609	639	670	700
2	731	762	790	821	851	882	912	943	974	1004	1035	1065
3	1096	1127	1155	1186	1216	1247	1277	1308	1339	1369	1400	1430

I. Anzahl der am 0. Januar, 12^h Welt-Zeit, seit Anfang der Periode verflossenen Tage

Jahr n. Chr.	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900
	20	21	21	21	22	22	23	23	23	24
0	86307	22832	59357	95882	32407	68932	05447	41971[1]	78495[1]	15019[1]
4	87768	24293	60818	97343	33868	70393	06908	43432	79956	16480
8	89229	25754	62279	98804	35329	71854	08369	44893	81417	17941
12	90690	27215	63740	00265	36790	73315	09830	46354	82878	19402
16	92151	28676	65201	01726	38251	74776	11291	47815	84339	20863
20	93612	30137	66662	03187	39712	76237	12752	49276	85800	22324
24	95073	31598	68123	04648	41173	77698	14213	50737	87261	23785
28	96534	33059	69584	06109	42634	79159	15674	52198	88722	25246
32	97995	34520	71045	07570	44095	80620	17135	53659	90183	26707
36	99456	35981	72506	09031	45556	82081	18596	55120	91644	28168
40	00917	37442	73967	10492	47017	83542	20057	56581	93105	29629
44	02378	38903	75428	11953	48478	85003	21518	58042	94566	31090
48	03839	40364	76889	13414	49939	86464	22979	59503	96027	32551
52	05300	41825	78350	14875	51400	87925	24440	60964	97488	34012
56	06761	43286	79811	16336	52861	89386	25901	62425	98949	35473
60	08222	44747	81272	17797	54322	90847	27362	63886	00410	36934
64	09683	46208	82733	19258	55783	92308	28823	65347	01871	38395
68	11144	47669	84194	20719	57244	93769	30284	66808	03332	39856
72	12605	49130	85655	22180	58705	95230	31745	68269	04793	41317
76	14066	50591	87116	23641	60166	96691	33206	69730	06254	42778
80	15527	52052	88577	25102	61627	98152	34667	71191	07715	44239
84	16988	53513	90038	26563	63088	99603	36128	72652	09176	45700
88	18449	54974	91499	28024	64549	01064	37589	74113	10637	47161
92	19910	56435	92960	29485	66010	02525	39050	75574	12098	48622
96	21371	57896	94421	30946	67471	03986	40511	77035	13559	50083
100	22832	59357	95882	32407	68932	05447	41971[1]	78495[1]	15019[1]	51544
	21	21	21	22	22	23	23	23	24	24

[1]) Die Zahlen geben die am —1. Jan. seit Anfang der Periode verflossenen Tage.

Ia. Anzahl der am 0. eines jeden Monats, 12^h Welt-Zeit, seit Beginn der Schaltperiode verflossenen Tage

Jahr	Jan. 0	Febr. 0	März 0	April 0	Mai 0	Juni 0	Juli 0	Aug. 0	Sept. 0	Okt. 0	Nov. 0	Dez. 0
0	0[2])	31[2])	60	91	121	152	182	213	244	274	305	335
1	366	397	425	456	486	517	547	578	609	639	670	700
2	731	762	790	821	851	882	912	943	974	1004	1035	1065
3	1096	1127	1155	1186	1216	1247	1277	1308	1339	1369	1400	1430

Von 1582 Okt. 15 bis 1583 Dez. 31 sind die Zahlen der Tafel Ia um 10 zu verkleinern.

[2]) In den Jahren 1700, 1800, 1900 um 1 zu vergrößern.

Julianische Periode

II. Anzahl der am 0. eines jeden Monats, 12h Welt-Zeit, seit Beginn der Periode verflossenen Tage

Jahr n. Chr.	Januar 0		Febr. 0	März 0	April 0	Mai 0	Juni 0	Juli 0	Aug. 0	Sept. 0	Okt. 0	Nov. 0	Dez. 0
1860	2400	410	441	470	501	531	562	592	623	654	684	715	745
1861		776	807	835	866	896	927	957	988	*019	*049	*080	*110
1862	2401	141	172	200	231	261	292	322	353	384	414	445	475
1863		506	537	565	596	626	657	687	718	749	779	810	840
1864		871	902	931	962	992	*023	*053	*084	*115	*145	*176	*206
1865	2402	237	268	296	327	357	388	418	449	480	510	541	571
1866		602	633	661	692	722	753	783	814	845	875	906	936
1867		967	998	*026	*057	*087	*118	*148	*179	*210	*240	*271	*301
1868	2403	332	363	392	423	453	484	514	545	576	606	637	667
1869		698	729	757	788	818	849	879	910	941	971	*002	*032
1870	2404	063	094	122	153	183	214	244	275	306	336	367	397
1871		428	459	487	518	548	579	609	640	671	701	732	762
1872		793	824	853	884	914	945	975	*006	*037	*067	*098	*128
1873	2405	159	190	218	249	279	310	340	371	402	432	463	493
1874		524	555	583	614	644	675	705	736	767	797	828	858
1875		889	920	948	979	*009	*040	*070	*101	*132	*162	*193	*223
1876	2406	254	285	314	345	375	406	436	467	498	528	559	589
1877		620	651	679	710	740	771	801	832	863	893	924	954
1878		985	*016	*044	*075	*105	*136	*166	*197	*228	*258	*289	*319
1879	2407	350	381	409	440	470	501	531	562	593	623	654	684
1880		715	746	775	806	836	867	897	928	959	989	*020	*050
1881	2408	081	112	140	171	201	232	262	293	324	354	385	415
1882		446	477	505	536	566	597	627	658	689	719	750	780
1883		811	842	870	901	931	962	992	*023	*054	*084	*115	*145
1884	2409	176	207	236	267	297	328	358	389	420	450	481	511
1885		542	573	601	632	662	693	723	754	785	815	846	876
1886		907	938	966	997	*027	*058	*088	*119	*150	*180	*211	*241
1887	2410	272	303	331	362	392	423	453	484	515	545	576	606
1888		637	668	697	728	758	789	819	850	881	911	942	972
1889	2411	003	034	062	093	123	154	184	215	246	276	307	337
1890		368	399	427	458	488	519	549	580	611	641	672	702
1891		733	764	792	823	853	884	914	945	976	*006	*037	*067
1892	2412	098	129	158	189	219	250	280	311	342	372	403	433
1893		464	495	523	554	584	615	645	676	707	737	768	798
1894		829	860	888	919	949	980	*010	*041	*072	*102	*133	*163
1895	2413	194	225	253	284	314	345	375	406	437	467	498	528
1896		559	590	619	650	680	711	741	772	803	833	864	894
1897		925	956	984	*015	*045	*076	*106	*137	*168	*198	*229	*259
1898	2414	290	321	349	380	410	441	471	502	533	563	594	624
1899		655	686	714	745	775	806	836	867	898	928	959	989

Julianische Periode

II. Anzahl der am 0. eines jeden Monats, 12h Welt-Zeit, seit Beginn der Periode verflossenen Tage

Jahr n. Chr.	Januar 0	Febr. 0	März 0	April 0	Mai 0	Juni 0	Juli 0	Aug. 0	Sept. 0	Okt. 0	Nov. 0	Dez. 0
1900	2415 020	051	079	110	140	171	201	232	263	293	324	354
1901	385	416	444	475	505	536	566	597	628	658	689	719
1902	750	781	809	840	870	901	931	962	993	*023	*054	*084
1903	2416 115	146	174	205	235	266	296	327	358	388	419	449
1904	480	511	540	571	601	632	662	693	724	754	785	815
1905	846	877	905	936	966	997	*027	*058	*089	*119	*150	*180
1906	2417 211	242	270	301	331	362	392	423	454	484	515	545
1907	576	607	635	666	696	727	757	788	819	849	880	910
1908	941	972	*001	*032	*062	*093	*123	*154	*185	*215	*246	*276
1909	2418 307	338	366	397	427	458	488	519	550	580	611	641
1910	672	703	731	762	792	823	853	884	915	945	976	*006
1911	2419 037	068	096	127	157	188	218	249	280	310	341	371
1912	402	433	462	493	523	554	584	615	646	676	707	737
1913	768	799	827	858	888	919	949	980	*011	*041	*072	*102
1914	2420 133	164	192	223	253	284	314	345	376	406	437	467
1915	498	529	557	588	618	649	679	710	741	771	802	832
1916	863	894	923	954	984	*015	*045	*076	*107	*137	*168	*198
1917	2421 229	260	288	319	349	380	410	441	472	502	533	563
1918	594	625	653	684	714	745	775	806	837	867	898	928
1919	959	990	*018	*049	*079	*110	*140	*171	*202	*232	*263	*293
1920	2422 324	355	384	415	445	476	506	537	568	598	629	659
1921	690	721	749	780	810	841	871	902	933	963	994	*024
1922	2423 055	086	114	145	175	206	236	267	298	328	359	389
1923	420	451	479	510	540	571	601	632	663	693	724	754
1924	785	816	845	876	906	937	967	998	*029	*059	*090	*120
1925	2424 151	182	210	241	271	302	332	363	394	424	455	485
1926	516	547	575	606	636	667	697	728	759	789	820	850
1927	881	912	940	971	*001	*032	*062	*093	*124	*154	*185	*215
1928	2425 246	277	306	337	367	398	428	459	490	520	551	581
1929	612	643	671	702	732	763	793	824	855	885	916	946
1930	977	*008	*036	*067	*097	*128	*158	*189	*220	*250	*281	*311
1931	2426 342	373	401	432	462	493	523	554	585	615	646	676
1932	707	738	767	798	828	859	889	920	951	981	*012	*042
1933	2427 073	104	132	163	193	224	254	285	316	346	377	407
1934	438	469	497	528	558	589	619	650	681	711	742	772
1935	803	834	862	893	923	954	984	*015	*046	*076	*107	*137
1936	2428 168	199	228	259	289	320	350	381	412	442	473	503
1937	534	565	593	624	654	685	715	746	777	807	838	868
1938	899	930	958	989	*019	*050	*080	*111	*142	*172	*203	*233
1939	2429 264	295	323	354	384	415	445	476	507	537	568	598

Julianische Periode

II. Anzahl der am o. eines jeden Monats, 12^h Welt-Zeit, seit Beginn der Periode verflossenen Tage

Jahr n. Chr.	Januar o	Febr. o	März o	April o	Mai o	Juni o	Juli o	Aug. o	Sept. o	Okt. o	Nov. o	Dez. o
1940	2429 629	660	689	720	750	781	811	842	873	903	934	964
1941	995	*026	*054	*085	*115	*146	*176	*207	*238	*268	*299	*329
1942	2430 360	391	419	450	480	511	541	572	603	633	664	694
1943	725	756	784	815	845	876	906	937	968	998	*029	*059
1944	2431 090	121	150	181	211	242	272	303	334	364	395	425
1945	456	487	515	546	576	607	637	668	699	729	760	790
1946	821	852	880	911	941	972	*002	*033	*064	*094	*125	*155
1947	2432 186	217	245	276	306	337	367	398	429	459	490	520
1948	551	582	611	642	672	703	733	764	795	825	856	886
1949	917	948	976	*007	*037	*068	*098	*129	*160	*190	*221	*251
1950	2433 282	313	341	372	402	433	463	494	525	555	586	616
1951	647	678	706	737	767	798	828	859	890	920	951	981
1952	2434 012	043	072	103	133	164	194	225	256	286	317	347
1953	378	409	437	468	498	529	559	590	621	651	682	712
1954	743	774	802	833	863	894	924	955	986	*016	*047	*077
1955	2435 108	139	167	198	228	259	289	320	351	381	412	442
1956	473	504	533	564	594	625	655	686	717	747	778	808
1957	839	870	898	929	959	990	*020	*051	*082	*112	*143	*173
1958	2436 204	235	263	294	324	355	385	416	447	477	508	538
1959	569	600	628	659	689	720	750	781	812	842	873	903
1960	934	965	994	*025	*055	*086	*116	*147	*178	*208	*239	*269
1961	2437 300	331	359	390	420	451	481	512	543	573	604	634
1962	665	696	724	755	785	816	846	877	908	938	969	999
1963	2438 030	061	089	120	150	181	211	242	273	303	334	364
1964	395	426	455	486	516	547	577	608	639	669	700	730
1965	761	792	820	851	881	912	942	973	*004	*034	*065	*095
1966	2439 126	157	185	216	246	277	307	338	369	399	430	460
1967	491	522	550	581	611	642	672	703	734	764	795	825
1968	856	887	916	947	977	*008	*038	*069	*100	*130	*161	*191
1969	2440 222	253	281	312	342	373	403	434	465	495	526	556
1970	587	618	646	677	707	738	768	799	830	860	891	921
1971	952	983	*011	*042	*072	*103	*133	*164	*195	*225	*256	*286
1972	2441 317	348	377	408	438	469	499	530	561	591	622	652
1973	683	714	742	773	803	834	864	895	926	956	987	*017
1974	2442 048	079	107	138	168	199	229	260	291	321	352	382
1975	413	444	472	503	533	564	594	625	656	686	717	747
1976	778	809	838	869	899	930	960	991	*022	*052	*083	*113
1977	2443 144	175	203	234	264	295	325	356	387	417	448	478
1978	509	540	568	599	629	660	690	721	752	782	813	843
1979	2443 874	905	933	964	994	*025	*055	*086	*117	*147	*178	*208

′	″	°	′	″	°	″	°	″	°
0	0.0	0.000	3	0.0	0.050	0.000	0.00000	1.800	0.00050
	3.6	01		3.6	51	036	01	836	51
	7.2	02		7.2	52	072	02	872	52
	10.8	03		10.8	53	108	03	908	53
	14.4	04		14.4	54	144	04	944	54
0	18.0	0.005	3	18.0	0.055	0.180	0.00005	1.980	0.00055
	21.6	06		21.6	56	216	06	2.016	56
	25.2	07		25.2	57	252	07	052	57
	28.8	08		28.8	58	288	08	088	58
	32.4	09		32.4	59	324	09	124	59
0	36.0	0.010	3	36.0	0.060	0.360	0.00010	2.160	0.00060
	39.6	11		39.6	61	396	11	196	61
	43.2	12		43.2	62	432	12	232	62
	46.8	13		46.8	63	468	13	268	63
	50.4	14		50.4	64	504	14	304	64
	54.0	0.015		54.0	0.065	0.540	0.00015	2.340	0.00065
0	57.6	16	3	57.6	66	576	16	376	66
1	1.2	17	4	1.2	67	612	17	412	67
	4.8	18		4.8	68	648	18	448	68
	8.4	19		8.4	69	684	19	484	69
1	12.0	0.020	4	12.0	0.070	0.720	0.00020	2.520	0.00070
	15.6	21		15.6	71	756	21	556	71
	19.2	22		19.2	72	792	22	592	72
	22.8	23		22.8	73	828	23	628	73
	26.4	24		26.4	74	864	24	664	74
1	30.0	0.025	4	30.0	0.075	0.900	0.00025	2.700	0.00075
	33.6	26		33.6	76	936	26	736	76
	37.2	27		37.2	77	0.972	27	772	77
	40.8	28		40.8	78	1.008	28	808	78
	44.4	29		44.4	79	044	29	844	79
1	48.0	0.030	4	48.0	0.080	1.080	0.00030	2.880	0.00080
	51.6	31		51.6	81	116	31	916	81
	55.2	32		55.2	82	152	32	952	82
1	58.8	33	4	58.8	83	188	33	2.988	83
2	2.4	34	5	2.4	84	224	34	3.024	84
	6.0	0.035		6.0	0.085	1.260	0.00035	060	0.00085
	9.6	36		9.6	86	296	36	096	86
	13.2	37		13.2	87	332	37	132	87
	16.8	38		16.8	88	368	38	168	88
	20.4	39		20.4	89	404	39	204	89
2	24.0	0.040	5	24.0	0.090	1.440	0.00040	3.240	0.00090
	27.6	41		27.6	91	476	41	276	91
	31.2	42		31.2	92	512	42	312	92
	34.8	43		34.8	93	548	43	348	93
	38.4	44		38.4	94	584	44	384	94
2	42.0	0.045	5	42.0	0.095	1.620	0.00045	3.420	0.00095
	45.6	46		45.6	96	656	46	456	96
	49.2	47		49.2	97	692	47	492	97
	52.8	48		52.8	98	728	48	528	98
2	56.4	49	5	56.4	99	764	49	564	99
3	0.0	0.050	6	0.0	0.100	1.800	0.00050	3.600	0.00100

δ \ φ	+30°	+32°	+34°	+36°	+38°	+40°	+42°	+44°	+46°	+48°	+50°
°	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m
−30	4 45.4	4 38.8	4 31.8	4 24.4	4 16.5	4 8.1	3 58.9	3 48.9	3 37.9	3 25.7	3 11.8
29	4 48.6	4 42.3	4 35.6	4 28.6	4 21.1	4 13.0	4 4.3	3 54.9	3 44.5	3 33.0	3 20.1
28	4 51.7	4 45.7	4 39.3	4 32.6	4 25.5	4 17.8	4 9.6	4 0.7	3 50.9	3 40.1	3 28.0
27	4 54.7	4 49.0	4 42.9	4 36.5	4 29.8	4 22.5	4 14.7	4 6.2	3 57.0	3 46.9	3 35.5
26	4 57.7	4 52.2	4 46.5	4 40.4	4 33.9	4 27.1	4 19.7	4 11.7	4 3.0	3 53.4	3 42.8
25	5 0.6	4 55.4	4 49.9	4 44.2	4 38.0	4 31.5	4 24.5	4 16.9	4 8.7	3 59.7	3 49.7
24	5 3.5	4 58.5	4 53.3	4 47.8	4 42.0	4 35.8	4 29.2	4 22.0	4 14.3	4 5.8	3 56.5
23	5 6.3	5 1.6	4 56.6	4 51.4	4 45.9	4 40.1	4 33.8	4 27.0	4 19.7	4 11.8	4 3.0
22	5 9.0	5 4.6	4 59.9	4 55.0	4 49.7	4 44.2	4 38.3	4 31.9	4 25.0	4 17.5	4 9.3
21	5 11.7	5 7.5	5 3.1	4 58.4	4 53.5	4 48.3	4 42.7	4 36.7	4 30.2	4 23.2	4 15.4
−20	5 14.4	5 10.4	5 6.2	5 1.8	4 57.2	4 52.3	4 47.0	4 41.3	4 35.3	4 28.7	4 21.4
19	5 17.0	5 13.3	5 9.3	5 5.2	5 0.8	4 56.2	4 51.2	4 45.9	4 40.2	4 34.0	4 27.3
18	5 19.6	5 16.1	5 12.4	5 8.5	5 4.4	5 0.0	4 55.4	4 50.4	4 45.1	4 39.3	4 33.0
17	5 22.2	5 18.9	5 15.4	5 11.7	5 7.9	5 3.8	4 59.5	4 54.9	4 49.9	4 44.5	4 38.6
16	5 24.7	5 21.6	5 18.4	5 14.9	5 11.4	5 7.5	5 3.5	4 59.2	4 54.6	4 49.5	4 44.1
15	5 27.2	5 24.3	5 21.3	5 18.1	5 14.8	5 11.2	5 7.5	5 3.5	4 59.2	4 54.5	4 49.5
14	5 29.7	5 27.0	5 24.2	5 21.3	5 18.2	5 14.9	5 11.4	5 7.7	5 3.7	4 59.5	4 54.8
13	5 32.1	5 29.7	5 27.1	5 24.4	5 21.5	5 18.5	5 15.3	5 11.9	5 8.2	5 4.3	5 0.0
12	5 34.6	5 32.3	5 29.9	5 27.4	5 24.8	5 22.1	5 19.1	5 16.0	5 12.6	5 9.0	5 5.1
11	5 37.0	5 34.9	5 32.7	5 30.5	5 28.1	5 25.6	5 22.9	5 20.1	5 17.0	5 13.7	5 10.2
−10	5 39.4	5 37.5	5 35.5	5 33.5	5 31.3	5 29.1	5 26.7	5 24.1	5 21.4	5 18.4	5 15.2
9	5 41.7	5 40.1	5 38.3	5 36.5	5 34.6	5 32.5	5 30.4	5 28.1	5 25.7	5 23.0	5 20.2
8	5 44.1	5 42.6	5 41.1	5 39.5	5 37.8	5 36.0	5 34.1	5 32.1	5 29.9	5 27.6	5 25.1
7	5 46.4	5 45.2	5 43.8	5 42.4	5 41.0	5 39.4	5 37.8	5 36.0	5 34.2	5 32.2	5 30.0
6	5 48.8	5 47.7	5 46.6	5 45.4	5 44.1	5 42.8	5 41.4	5 40.0	5 38.4	5 36.7	5 34.9
5	5 51.1	5 50.2	5 49.3	5 48.3	5 47.3	5 46.2	5 45.1	5 43.9	5 42.6	5 41.2	5 39.7
4	5 53.4	5 52.7	5 52.0	5 51.2	5 50.4	5 49.6	5 48.7	5 47.8	5 46.8	5 45.7	5 44.5
3	5 55.8	5 55.2	5 54.7	5 54.1	5 53.6	5 53.0	5 52.3	5 51.6	5 50.9	5 50.1	5 49.3
2	5 58.1	5 57.7	5 57.4	5 57.1	5 56.7	5 56.3	5 55.9	5 55.5	5 55.1	5 54.6	5 54.1
− 1	6 0.4	6 0.2	6 0.1	6 0.0	5 59.8	5 59.7	5 59.5	5 59.4	5 59.2	5 59.0	5 58.9
0	6 2.7	6 2.7	6 2.8	6 2.9	6 2.9	6 3.0	6 3.1	6 3.2	6 3.4	6 3.5	6 3.6
+ 1	6 5.0	6 5.2	6 5.5	6 5.8	6 6.1	6 6.4	6 6.7	6 7.1	6 7.5	6 7.9	6 8.4
2	6 7.3	6 7.7	6 8.2	6 8.7	6 9.2	6 9.8	6 10.3	6 11.0	6 11.6	6 12.4	6 13.2
3	6 9.6	6 10.3	6 10.9	6 11.6	6 12.3	6 13.1	6 14.0	6 14.8	6 15.8	6 16.8	6 18.0
4	6 11.9	6 12.8	6 13.6	6 14.5	6 15.5	6 16.5	6 17.6	6 18.7	6 20.0	6 21.3	6 22.8
5	6 14.3	6 15.3	6 16.4	6 17.5	6 18.6	6 19.9	6 21.2	6 22.6	6 24.2	6 25.8	6 27.6
6	6 16.6	6 17.8	6 19.1	6 20.4	6 21.8	6 23.3	6 24.9	6 26.6	6 28.4	6 30.4	6 32.5
7	6 19.0	6 20.4	6 21.8	6 23.4	6 25.0	6 26.7	6 28.6	6 30.5	6 32.6	6 34.9	6 37.4
8	6 21.3	6 22.9	6 24.6	6 26.4	6 28.2	6 30.2	6 32.3	6 34.5	6 36.9	6 39.5	6 42.3
9	6 23.7	6 25.5	6 27.4	6 29.4	6 31.4	6 33.7	6 36.0	6 38.5	6 41.2	6 44.1	6 47.3
10	6 26.1	6 28.1	6 30.2	6 32.4	6 34.7	6 37.2	6 39.8	6 42.5	6 45.6	6 48.8	6 52.3
+11	6 28.5	6 30.7	6 33.0	6 35.4	6 38.0	6 40.7	6 43.6	6 46.6	6 49.9	6 53.5	6 57.4
12	6 31.0	6 33.4	6 35.9	6 38.5	6 41.3	6 44.3	6 47.4	6 50.8	6 54.4	6 58.3	7 2.5
13	6 33.4	6 36.0	6 38.8	6 41.6	6 44.7	6 47.9	6 51.3	6 54.9	6 58.9	7 3.1	7 7.8
14	6 35.9	6 38.7	6 41.7	6 44.8	6 48.0	6 51.5	6 55.2	6 59.2	7 3.4	7 8.0	7 13.1
15	6 38.4	6 41.4	6 44.6	6 47.9	6 51.5	6 55.2	6 59.2	7 3.5	7 8.1	7 13.0	7 18.5
16	6 41.0	6 44.2	6 47.6	6 51.2	6 54.9	6 58.9	7 3.2	7 7.8	7 12.7	7 18.1	7 23.9
17	6 43.5	6 47.0	6 50.6	6 54.4	6 58.5	7 2.7	7 7.3	7 12.2	7 17.5	7 23.3	7 29.5
18	6 46.1	6 49.8	6 53.7	6 57.7	7 2.0	7 6.6	7 11.5	7 16.7	7 22.4	7 28.5	7 35.3
19	6 48.8	6 52.7	6 56.8	7 1.1	7 5.7	7 10.5	7 15.7	7 21.3	7 27.4	7 33.9	7 41.1
20	6 51.5	6 55.6	6 59.9	7 4.5	7 9.4	7 14.5	7 20.1	7 26.0	7 32.4	7 39.4	7 47.1
+21	6 54.2	6 58.6	7 3.1	7 8.0	7 13.1	7 18.6	7 24.5	7 30.8	7 37.6	7 45.1	7 53.3
22	6 56.9	7 1.6	7 6.4	7 11.5	7 17.0	7 22.8	7 29.0	7 35.7	7 42.9	7 50.9	7 59.6
23	6 59.8	7 4.6	7 9.7	7 15.1	7 20.9	7 27.0	7 33.6	7 40.7	7 48.4	7 56.8	8 6.1
24	7 2.6	7 7.7	7 13.1	7 18.8	7 24.9	7 31.3	7 38.3	7 45.8	7 54.0	8 2.9	8 12.9
25	7 5.6	7 10.9	7 16.6	7 22.6	7 29.0	7 35.8	7 43.1	7 51.1	7 59.8	8 9.3	8 19.9
26	7 8.5	7 14.2	7 20.1	7 26.4	7 33.2	7 40.4	7 48.1	7 56.5	8 5.7	8 15.8	8 27.1
27	7 11.6	7 17.5	7 23.8	7 30.4	7 37.5	7 45.0	7 53.2	8 2.1	8 11.8	8 22.6	8 34.7
28	7 14.7	7 20.9	7 27.5	7 34.4	7 41.9	7 49.9	7 58.5	8 7.9	8 18.2	8 29.7	8 42.6
29	7 17.9	7 24.4	7 31.3	7 38.6	7 46.4	7 54.8	8 3.9	8 13.9	8 24.8	8 37.1	8 51.0
+30	7 21.2	7 28.0	7 35.2	7 42.9	7 51.1	7 59.9	8 9.5	8 20.1	8 31.7	8 44.8	8 59.7

δ \ φ	+50°	+51°	+52°	+53°	+54°	+55°	+56°	+57°	+58°	+59°	+60°
°	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m
−30	3 11.8	3 4.1	2 55.8	2 46.8	2 36.9	2 25.9	2 13.5	1 59.3	1 42.4	1 21.1	0 49.7
29	3 20.1	3 12.9	3 5.3	2 57.0	2 48.0	2 38.1	2 27.1	2 14.7	2 0.4	1 43.4	1 21.9
28	3 28.0	3 21.3	3 14.2	3 6.6	2 58.3	2 49.3	2 39.4	2 28.4	2 15.9	2 1.6	1 44.5
27	3 35.5	3 29.3	3 22.7	3 15.7	3 8.0	2 59.8	2 50.8	2 40.8	2 29.8	2 17.3	2 2.9
26	3 42.8	3 37.0	3 30.8	3 24.2	3 17.2	3 9.6	3 1.4	2 52.4	2 42.4	2 31.3	2 18.8
25	3 49.7	3 44.3	3 38.6	3 32.4	3 25.9	3 18.9	3 11.3	3 3.1	2 54.1	2 44.1	2 33.0
24	3 56.5	3 51.4	3 46.0	3 40.3	3 34.3	3 27.8	3 20.8	3 13.2	3 5.0	2 56.0	2 46.0
23	4 3.0	3 58.2	3 53.2	3 47.9	3 42.3	3 36.2	3 29.8	3 22.8	3 15.3	3 7.1	2 58.0
22	4 9.3	4 4.9	4 0.2	3 55.2	3 50.0	3 44.3	3 38.4	3 31.9	3 25.0	3 17.5	3 9.3
21	4 15.4	4 11.3	4 6.9	4 2.3	3 57.4	3 52.2	3 46.6	3 40.7	3 34.3	3 27.4	3 19.9
−20	4 21.4	4 17.5	4 13.5	4 9.1	4 4.6	3 59.8	3 54.6	3 49.1	3 43.2	3 36.9	3 30.0
19	4 27.3	4 23.7	4 19.9	4 15.8	4 11.6	4 7.1	4 2.3	3 57.2	3 51.8	3 45.9	3 39.6
18	4 33.0	4 29.6	4 26.1	4 22.3	4 18.4	4 14.2	4 9.8	4 5.1	4 0.1	3 54.7	3 48.9
17	4 38.6	4 35.4	4 32.1	4 28.7	4 25.0	4 21.1	4 17.0	4 12.7	4 8.1	4 3.1	3 57.8
16	4 44.1	4 41.2	4 38.1	4 34.9	4 31.5	4 27.9	4 24.1	4 20.1	4 15.9	4 11.3	4 6.4
15	4 49.5	4 46.8	4 43.9	4 41.0	4 37.8	4 34.5	4 31.0	4 27.4	4 23.4	4 19.3	4 14.8
14	4 54.8	4 52.3	4 49.7	4 46.9	4 44.1	4 41.0	4 37.8	4 34.4	4 30.8	4 27.0	4 22.9
13	5 0.0	4 57.7	4 55.3	4 52.8	4 50.2	4 47.4	4 44.5	4 41.4	4 38.1	4 34.6	4 30.9
12	5 5.1	5 3.0	5 0.9	4 58.6	4 56.2	4 53.7	4 51.0	4 48.2	4 45.2	4 42.0	4 38.7
11	5 10.2	5 8.3	5 6.4	5 4.3	5 2.1	4 59.8	4 57.4	4 54.9	4 52.2	4 49.3	4 46.3
−10	5 15.2	5 13.5	5 11.8	5 9.9	5 7.9	5 5.9	5 3.7	5 1.5	4 59.1	4 56.5	4 53.8
9	5 20.2	5 18.7	5 17.1	5 15.5	5 13.7	5 11.9	5 10.0	5 8.0	5 5.8	5 3.6	5 1.2
8	5 25.1	5 23.8	5 22.4	5 21.0	5 19.5	5 17.9	5 16.2	5 14.4	5 12.5	5 10.6	5 8.5
7	5 30.0	5 28.9	5 27.7	5 26.4	5 25.1	5 23.8	5 22.3	5 20.8	5 19.2	5 17.5	5 15.7
6	5 34.9	5 33.9	5 32.9	5 31.8	5 30.7	5 29.6	5 28.4	5 27.1	5 25.7	5 24.3	5 22.8
5	5 39.7	5 38.9	5 38.1	5 37.2	5 36.3	5 35.4	5 34.4	5 33.4	5 32.2	5 31.1	5 29.9
4	5 44.5	5 43.9	5 43.3	5 42.6	5 41.9	5 41.2	5 40.4	5 39.6	5 38.7	5 37.8	5 36.9
3	5 49.3	5 48.9	5 48.4	5 47.9	5 47.4	5 46.9	5 46.3	5 45.8	5 45.2	5 44.5	5 43.8
2	5 54.1	5 53.8	5 53.5	5 53.3	5 52.9	5 52.6	5 52.3	5 52.0	5 51.6	5 51.2	5 50.8
− 1	5 58.9	5 58.8	5 58.7	5 58.6	5 58.4	5 58.3	5 58.2	5 58.1	5 58.0	5 57.9	5 57.7
0	6 3.6	6 3.7	6 3.8	6 3.9	6 4.0	6 4.1	6 4.2	6 4.3	6 4.4	6 4.5	6 4.7
+ 1	6 8.4	6 8.6	6 8.9	6 9.2	6 9.5	6 9.8	6 10.1	6 10.4	6 10.8	6 11.2	6 11.6
2	6 13.2	6 13.6	6 14.0	6 14.5	6 15.0	6 15.5	6 16.0	6 16.6	6 17.2	6 17.8	6 18.5
3	6 18.0	6 18.6	6 19.2	6 19.8	6 20.5	6 21.2	6 22.0	6 22.8	6 23.6	6 24.6	6 25.5
4	6 22.8	6 23.5	6 24.4	6 25.2	6 26.1	6 27.0	6 28.0	6 29.0	6 30.1	6 31.3	6 32.5
5	6 27.6	6 28.6	6 29.6	6 30.6	6 31.7	6 32.8	6 34.0	6 35.3	6 36.6	6 38.1	6 39.6
6	6 32.5	6 33.6	6 34.8	6 36.0	6 37.3	6 38.7	6 40.1	6 41.6	6 43.2	6 44.9	6 46.7
7	6 37.4	6 38.7	6 40.0	6 41.5	6 43.0	6 44.6	6 46.2	6 48.0	6 49.8	6 51.8	6 53.9
8	6 42.3	6 43.8	6 45.3	6 47.0	6 48.7	6 50.5	6 52.4	6 54.4	6 56.5	6 58.8	7 1.2
9	6 47.3	6 48.9	6 50.7	6 52.6	6 54.5	6 56.5	6 58.7	7 0.9	7 3.3	7 5.9	7 8.6
10	6 52.3	6 54.1	6 56.1	6 58.2	7 0.3	7 2.6	7 5.0	7 7.5	7 10.2	7 13.1	7 16.2
+11	6 57.4	6 59.4	7 1.6	7 3.9	7 6.3	7 8.8	7 11.4	7 14.2	7 17.2	7 20.4	7 23.8
12	7 2.5	7 4.8	7 7.2	7 9.7	7 12.3	7 15.1	7 18.0	7 21.1	7 24.3	7 27.8	7 31.5
13	7 7.8	7 10.2	7 12.8	7 15.5	7 18.4	7 21.4	7 24.6	7 28.0	7 31.6	7 35.4	7 39.5
14	7 13.1	7 15.7	7 18.6	7 21.5	7 24.6	7 27.9	7 31.4	7 35.1	7 39.0	7 43.2	7 47.7
15	7 18.5	7 21.4	7 24.4	7 27.6	7 31.0	7 34.6	7 38.3	7 42.4	7 46.6	7 51.2	7 56.1
16	7 23.9	7 27.1	7 30.4	7 33.8	7 37.5	7 41.4	7 45.4	7 49.8	7 54.4	7 59.4	8 4.7
17	7 29.5	7 32.9	7 36.5	7 40.2	7 44.1	7 48.3	7 52.7	7 57.4	8 2.5	8 7.9	8 13.7
18	7 35.3	7 38.9	7 42.7	7 46.7	7 50.9	7 55.4	8 0.2	8 5.3	8 10.8	8 16.6	8 23.0
19	7 41.1	7 45.0	7 49.1	7 53.4	7 57.9	8 2.8	8 7.9	8 13.4	8 19.4	8 25.7	8 32.6
20	7 47.1	7 51.3	7 55.6	8 0.3	8 5.2	8 10.4	8 15.9	8 21.9	8 28.3	8 35.2	8 42.8
+21	7 53.3	7 57.7	8 2.4	8 7.3	8 12.6	8 18.2	8 24.2	8 30.7	8 37.6	8 45.2	8 53.5
22	7 59.6	8 4.3	8 9.4	8 14.7	8 20.3	8 26.4	8 32.8	8 39.8	8 47.4	8 55.7	9 4.8
23	8 6.1	8 11.2	8 16.6	8 22.3	8 28.3	8 34.9	8 41.9	8 49.5	8 57.7	9 6.8	9 16.9
24	8 12.9	8 18.3	8 24.0	8 30.2	8 36.7	8 43.8	8 51.4	8 59.6	9 8.7	9 18.8	9 30.0
25	8 19.9	8 25.7	8 31.8	8 38.4	8 45.5	8 53.1	9 1.4	9 10.5	9 20.5	9 31.7	9 44.4
26	8 27.1	8 33.4	8 40.0	8 47.0	8 54.7	9 3.0	9 12.1	9 22.1	9 33.2	9 45.9	10 0.6
27	8 34.7	8 41.4	8 48.5	8 56.1	9 4.4	9 13.5	9 23.5	9 34.6	9 47.3	10 1.9	10 19.5
28	8 42.6	8 49.8	8 57.5	9 5.8	9 14.8	9 24.8	9 35.9	9 48.5	10 3.1	10 20.5	10 42.9
29	8 51.0	8 58.7	9 7.0	9 16.1	9 26.0	9 37.1	9 49.6	10 4.1	10 21.5	10 43.7	11 18.1
+30	8 59.7	9 8.1	9 17.2	9 27.1	9 38.2	9 50.7	10 5.1	10 22.3	10 44.4	11 18.5	—

Reductionstafel

für den Auf- und Untergang der Sonne

Das Vorzeichen der Tafel gilt für den Aufgang, das entgegengesetzte Vorzeichen für den Untergang.

Tag		Geographische Breite										
		+30°	+32°	+34°	+36°	+38°	+40°	+42°	+44°	+46°	+48°	+50°
1937		m	m	m	m	m	m	m	m	m	m	m
Jan.	1	−62.6	−57.9	−53.0	−47.9	−42.6	−36.7	−30.5	−23.8	−16.5	−8.7	0.0
	11	−58.5	−54.0	−49.5	−44.6	−39.6	−34.1	−28.3	−22.1	−15.4	−8.0	0.0
	21	−52.1	−48.2	−44.1	−39.7	−35.2	−30.3	−25.1	−19.6	−13.7	−7.1	0.0
	31	−44.3	−40.9	−37.3	−33.7	−29.8	−25.7	−21.2	−16.5	−11.5	−6.0	0.0
Febr.	10	−35.5	−32.8	−29.9	−26.9	−23.9	−20.5	−16.9	−13.1	− 9.1	−4.8	0.0
	20	−26.2	−24.2	−22.0	−19.8	−17.6	−15.1	−12.4	− 9.6	− 6.6	−3.5	0.0
März	2	−16.6	−15.3	−13.9	−12.5	−11.1	− 9.5	− 7.8	− 6.0	− 4.1	−2.2	0.0
	12	− 6.9	− 6.4	− 5.8	− 5.2	− 4.6	− 3.9	− 3.2	− 2.5	− 1.7	−0.9	0.0
	22	+ 2.8	+ 2.6	+ 2.4	+ 2.3	+ 1.9	+ 1.7	+ 1.4	+ 1.1	+ 0.8	+0.3	0.0
April	1	+12.4	+11.5	+10.5	+ 9.6	+ 8.4	+ 7.2	+ 6.0	+ 4.7	+ 3.3	+1.6	0.0
	11	+22.1	+20.4	+18.7	+16.9	+14.8	+12.7	+10.5	+ 8.3	+ 5.7	+2.9	0.0
	21	+31.6	+29.1	+26.7	+24.1	+21.1	+18.2	+15.1	+11.8	+ 8.2	+4.2	0.0
Mai	1	+40.7	+37.6	+34.4	+31.1	+27.4	+23.6	+19.7	+15.3	+10.7	+5.5	0.0
	11	+49.3	+45.6	+41.7	+37.6	+33.4	+28.7	+23.9	+18.6	+12.9	+6.7	0.0
	21	+56.9	+52.7	+48.2	+43.5	+38.7	+33.3	+27.7	+21.7	+15.0	+7.8	0.0
	31	+63.0	+58.5	+53.6	+48.4	+43.0	+37.1	+30.9	+24.1	+16.8	+8.8	0.0
Juni	10	+67.2	+62.3	+57.2	+51.7	+45.8	+39.6	+33.0	+25.9	+18.0	+9.5	0.0
	20	+68.8	+63.8	+58.6	+52.9	+47.0	+40.7	+33.9	+26.6	+18.5	+9.8	0.0
	30	+67.9	+62.9	+57.8	+52.2	+46.4	+40.1	+33.4	+26.2	+18.2	+9.6	0.0
Juli	10	+64.4	+59.6	+54.7	+49.4	+43.9	+37.9	+31.5	+24.8	+17.2	+9.1	0.0
	20	+58.8	+54.4	+49.9	+45.0	+40.0	+34.5	+28.6	+22.4	+15.6	+8.2	0.0
	30	+51.5	+47.6	+43.7	+39.4	+35.0	+30.1	+25.0	+19.5	+13.6	+7.1	0.0
Aug.	9	+43.3	+40.0	+36.6	+33.0	+29.3	+25.2	+20.9	+16.3	+11.3	+5.9	0.0
	19	+34.4	+31.8	+29.0	+26.1	+23.2	+20.0	+16.6	+12.8	+ 8.9	+4.7	0.0
	29	+25.1	+23.2	+21.2	+19.1	+16.9	+14.6	+12.1	+ 9.3	+ 6.5	+3.4	0.0
Sept.	8	+15.7	+14.4	+13.2	+11.9	+10.6	+ 9.1	+ 7.5	+ 5.8	+ 4.0	+2.1	0.0
	18	+ 6.2	+ 5.6	+ 5.1	+ 4.6	+ 4.2	+ 3.6	+ 2.9	+ 2.3	+ 1.6	+0.9	0.0
	28	− 3.5	− 3.2	− 2.9	− 2.6	− 2.2	− 1.9	− 1.6	− 1.2	− 0.9	−0.4	0.0
Okt.	8	−13.1	−12.0	−10.9	− 9.9	− 8.6	− 7.4	− 6.1	− 4.8	− 3.3	−1.6	0.0
	18	−22.6	−20.8	−19.0	−17.1	−15.0	−12.9	−10.6	− 8.3	− 5.7	−2.9	0.0
	28	−31.9	−29.4	−26.9	−24.2	−21.3	−18.3	−15.1	−11.8	− 8.2	−4.2	0.0
Nov.	7	−40.8	−37.7	−34.5	−31.1	−27.4	−23.5	−19.5	−15.2	−10.5	−5.5	0.0
	17	−49.1	−45.4	−41.4	−37.4	−33.0	−28.4	−23.6	−18.4	−12.7	−6.7	0.0
	27	−56.0	−51.8	−47.4	−42.8	−37.9	−32.6	−27.2	−21.2	−14.7	−7.7	0.0
Dez.	7	−61.2	−56.6	−51.8	−46.8	−41.5	−35.8	−29.7	−23.2	−16.1	−8.5	0.0
	17	−63.9	−59.1	−54.1	−48.9	−43.3	−37.4	−31.1	−24.3	−16.9	−8.9	0.0
	27	−63.9	−59.1	−54.1	−48.9	−43.3	−37.4	−31.1	−24.3	−16.9	−8.9	0.0
	37	−61.0	−56.4	−51.6	−46.6	−41.3	−35.6	−29.7	−23.2	−16.1	−8.4	0.0

Reduktionstafel

für den Auf- und Untergang der Sonne

Das Vorzeichen der Tafel gilt für den Aufgang, das entgegengesetzte Vorzeichen für den Untergang.

Tag		Geographische Breite										
		+50°	+51°	+52°	+53°	+54°	+55°	+56°	+57°	+58°	+59°	+60°
1937		m	m	m	m	m	m	m	m	m	m	m
Jan.	1	0.0	+4.7	+ 9.6	+14.8	+20.5	+26.4	+32.8	+39.5	+46.9	+55.0	+63.8
	11	0.0	+4.4	+ 8.9	+13.8	+18.8	+24.3	+30.1	+36.3	+43.0	+50.3	+58.1
	21	0.0	+3.8	+ 7.9	+12.1	+16.5	+21.2	+26.3	+31.7	+37.4	+43.5	+50.2
	31	0.0	+3.2	+ 6.6	+10.1	+13.7	+17.7	+21.9	+26.3	+31.0	+36.0	+41.4
Febr.	10	0.0	+2.5	+ 5.2	+ 8.0	+10.8	+14.0	+17.2	+20.6	+24.2	+28.1	+32.3
	20	0.0	+1.8	+ 3.8	+ 5.8	+ 7.8	+10.1	+12.5	+14.9	+17.5	+20.3	+23.2
März	2	0.0	+1.2	+ 2.4	+ 3.7	+ 4.9	+ 6.3	+ 7.8	+ 9.3	+11.0	+12.6	+14.3
	12	0.0	+0.5	+ 1.0	+ 1.5	+ 2.0	+ 2.6	+ 3.2	+ 3.8	+ 4.4	+ 5.1	+ 5.8
	22	0.0	−0.2	− 0.4	− 0.6	− 0.9	− 1.2	− 1.5	− 1.7	− 2.0	− 2.4	− 2.8
April	1	0.0	−0.9	− 1.8	− 2.7	− 3.9	− 4.9	− 6.1	− 7.3	− 8.5	−10.0	−11.3
	11	0.0	−1.5	− 3.2	− 4.9	− 6.9	− 8.7	−10.7	−12.9	−15.2	−17.6	−20.1
	21	0.0	−2.2	− 4.6	− 7.1	− 9.9	−12.6	−15.5	−18.6	−22.0	−25.4	−29.2
Mai	1	0.0	−3.0	− 6.1	− 9.3	−12.9	−16.5	−20.3	−24.4	−28.8	−33.4	−38.4
	11	0.0	−3.6	− 7.4	−11.4	−15.8	−20.3	−25.0	−30.2	−35.8	−41.6	−47.9
	21	0.0	−4.2	− 8.7	−13.4	−18.5	−23.9	−29.6	−35.8	−42.4	−49.6	−57.4
	31	0.0	−4.7	− 9.8	−15.2	−20.8	−27.1	−33.6	−40.7	−48.3	−56.6	−65.9
Juni	10	0.0	−5.1	−10.6	−16.4	−22.6	−29.2	−36.3	−44.2	−52.6	−61.9	−72.3
	20	0.0	−5.3	−10.9	−16.9	−23.3	−30.2	−37.5	−45.6	−54.4	−64.0	−75.1
	30	0.0	−5.2	−10.7	−16.6	−22.9	−29.6	−36.9	−44.8	−53.3	−62.7	−73.5
Juli	10	0.0	−4.9	−10.1	−15.6	−21.5	−27.7	−34.4	−41.7	−49.6	−58.4	−67.8
	20	0.0	−4.4	− 9.1	−14.0	−19.2	−24.8	−30.8	−37.2	−44.2	−51.6	−59.9
	30	0.0	−3.8	− 7.9	−12.1	−16.5	−21.3	−26.4	−31.9	−37.7	−43.9	−50.7
Aug.	9	0.0	−3.2	− 6.5	−10.0	−13.7	−17.6	−21.8	−26.2	−30.8	−35.8	−41.2
	19	0.0	−2.5	− 5.1	− 7.8	−10.7	−13.7	−17.0	−20.4	−24.0	−27.8	−32.0
	29	0.0	−1.8	− 3.7	− 5.7	− 7.7	− 9.9	−12.2	−14.7	−17.2	−20.0	−22.9
Sept.	8	0.0	−1.2	− 2.3	− 3.6	− 4.8	− 6.1	− 7.6	− 9.1	−10.7	−12.4	−14.2
	18	0.0	−0.5	− 0.9	− 1.5	− 1.9	− 2.4	− 3.0	− 3.6	− 4.3	− 4.9	− 5.6
	28	0.0	+0.2	+ 0.5	+ 0.6	+ 1.0	+ 1.3	+ 1.5	+ 1.8	+ 2.1	+ 2.5	+ 2.8
Okt.	8	0.0	+0.9	+ 1.8	+ 2.8	+ 3.9	+ 5.0	+ 6.1	+ 7.2	+ 8.5	+ 9.9	+11.2
	18	0.0	+1.6	+ 3.2	+ 4.9	+ 6.8	+ 8.7	+10.6	+12.7	+15.0	+17.4	+19.9
	28	0.0	+2.2	+ 4.6	+ 7.0	+ 9.7	+12.5	+15.3	+18.3	+21.6	+25.0	+28.7
Nov.	7	0.0	+2.9	+ 6.0	+ 9.1	+12.7	+16.2	+20.0	+23.9	+28.2	+32.8	+37.8
	17	0.0	+3.6	+ 7.3	+11.2	+15.5	+19.8	+24.5	+29.5	+34.8	+40.5	+46.7
	27	0.0	+4.1	+ 8.4	+13.1	+17.9	+23.1	+28.6	+34.5	+40.8	+47.6	+55.1
Dez.	7	0.0	+4.6	+ 9.3	+14.5	+19.8	+25.6	+31.9	+38.4	+45.6	+53.3	+61.7
	17	0.0	+4.8	+ 9.8	+15.2	+20.9	+27.0	+33.5	+40.5	+48.2	+56.4	+65.6
	27	0.0	+4.8	+ 9.8	+15.2	+20.9	+27.0	+33.5	+40.5	+48.2	+56.4	+65.6
	37	0.0	+4.6	+ 9.3	+14.4	+19.8	+25.6	+31.7	+38.2	+45.3	+53.1	+61.5

Reduktionstafel

für den Auf- und Untergang des Mondes

Das Vorzeichen der Tafel gilt für den Aufgang, das entgegengesetzte Vorzeichen für den Untergang.

*t**)	Geographische Breite										
	+30°	+32°	+34°	+36°	+38°	+40°	+42°	+44°	+46°	+48°	+50°
h m	m	m	m	m	m	m	m	m	m	m	m
3 20	−94.6	−87.9	−80.9	−73.4	−65.5	−56.9	−47.6	−37.5	−26.4	−14.0	0.0
3 30	−88.5	−82.2	−75.6	−68.5	−61.0	−52.9	−44.2	−34.8	−24.4	−12.9	0.0
3 40	−82.5	−76.5	−70.3	−63.7	−56.6	−49.1	−41.0	−32.2	−22.5	−11.9	0.0
3 50	−76.6	−71.0	−65.2	−59.0	−52.4	−45.3	−37.8	−29.6	−20.7	−10.9	0.0
4 0	−70.8	−65.6	−60.1	−54.4	−48.2	−41.7	−34.7	−27.2	−18.9	− 9.9	0.0
4 10	−65.1	−60.3	−55.2	−49.9	−44.2	−38.2	−31.7	−24.8	−17.3	− 9.0	0.0
4 20	−59.5	−55.0	−50.3	−45.5	−40.3	−34.8	−28.9	−22.5	−15.7	− 8.2	0.0
4 30	−54.0	−49.9	−45.6	−41.2	−36.5	−31.4	−26.1	−20.4	−14.1	− 7.4	0.0
4 40	−48.4	−44.8	−40.9	−36.9	−32.7	−28.2	−23.3	−18.2	−12.6	− 6.6	0.0
4 50	−43.0	−39.8	−36.4	−32.7	−29.0	−24.9	−20.7	−16.1	−11.2	− 5.8	0.0
5 0	−37.7	−34.8	−31.8	−28.6	−25.3	−21.8	−18.1	−14.1	− 9.8	− 5.0	0.0
5 10	−32.4	−29.9	−27.3	−24.6	−21.7	−18.7	−15.5	−12.1	− 8.4	− 4.3	0.0
5 20	−27.1	−25.0	−22.8	−20.6	−18.2	−15.6	−12.9	−10.1	− 7.0	− 3.6	0.0
5 30	−21.9	−20.2	−18.4	−16.6	−14.7	−12.6	−10.4	− 8.1	− 5.6	− 2.9	0.0
5 40	−16.7	−15.4	−14.0	−12.6	−11.2	− 9.6	− 7.9	− 6.2	− 4.3	− 2.2	0.0
5 50	−11.5	−10.6	− 9.7	− 8.7	− 7.7	− 6.6	− 5.5	− 4.2	− 2.9	− 1.5	0.0
6 0	− 6.4	− 5.8	− 5.4	− 4.8	− 4.2	− 3.6	− 3.0	− 2.3	− 1.6	− 0.9	0.0
6 10	− 1.2	− 1.1	− 1.0	− 0.9	− 0.8	− 0.7	− 0.6	− 0.4	− 0.3	− 0.2	0.0
6 20	+ 4.0	+ 3.7	+ 3.4	+ 3.0	+ 2.6	+ 2.3	+ 1.9	+ 1.5	+ 1.0	+ 0.5	0.0
6 30	+ 9.1	+ 8.4	+ 7.7	+ 6.9	+ 6.1	+ 5.3	+ 4.4	+ 3.4	+ 2.4	+ 1.2	0.0
6 40	+14.3	+13.2	+12.0	+10.8	+ 9.6	+ 8.2	+ 6.8	+ 5.3	+ 3.7	+ 1.9	0.0
6 50	+19.5	+18.0	+16.4	+14.8	+13.1	+11.2	+ 9.3	+ 7.2	+ 5.0	+ 2.6	0.0
7 0	+24.7	+22.8	+20.9	+18.8	+16.6	+14.2	+11.8	+ 9.1	+ 6.3	+ 3.3	0.0
7 10	+30.0	+27.7	+25.3	+22.8	+20.1	+17.3	+14.3	+11.1	+ 7.7	+ 4.0	0.0
7 20	+35.3	+32.6	+29.7	+26.8	+23.7	+20.3	+16.8	+13.1	+ 9.1	+ 4.7	0.0
7 30	+40.6	+37.5	+34.3	+30.9	+27.3	+23.4	+19.4	+15.1	+10.5	+ 5.5	0.0
7 40	+45.9	+42.5	+38.9	+35.0	+31.0	+26.6	+22.1	+17.2	+12.0	+ 6.2	0.0
7 50	+51.4	+47.6	+43.5	+39.2	+34.7	+29.9	+24.8	+19.3	+13.5	+ 7.0	0.0
8 0	+56.9	+52.7	+48.2	+43.5	+38.5	+33.2	+27.6	+21.5	+15.0	+ 7.8	0.0
8 10	+62.5	+57.9	+53.0	+47.9	+42.4	+36.6	+30.4	+23.8	+16.6	+ 8.6	0.0
8 20	+68.2	+63.2	+57.9	+52.3	+46.4	+40.1	+33.3	+26.1	+18.2	+ 9.5	0.0
8 30	+74.0	+68.5	+62.9	+56.9	+50.5	+43.7	+36.4	+28.5	+19.8	+10.5	0.0
8 40	+79.8	+74.0	+67.9	+61.5	+54.7	+47.3	+39.5	+30.9	+21.6	+11.4	0.0
8 50	+85.8	+79.6	+73.1	+66.3	+59.0	+51.1	+42.7	+33.5	+23.5	+12.5	0.0
9 0	+91.9	+85.3	+78.4	+71.2	+63.4	+55.0	+46.0	+36.3	+25.5	+13.5	0.0

*) *t* ist beim Aufgang der Zeitunterschied zwischen Aufgang und Kulmination, beim Untergang der Zeitunterschied zwischen Kulmination und Untergang.

Reduktionstafel

für den Auf- und Untergang des Mondes

Das Vorzeichen der Tafel gilt für den Aufgang, das entgegengesetzte Vorzeichen für den Untergang.

t*)	Geographische Breite										
	+50°	+51°	+52°	+53°	+54°	+55°	+56°	+57°	+58°	+59°	+60°
h m	m	m	m	m	m	m	m	m	m	m	m
3 20	0.0	+7.7	+16.1	+25.2	+35.1	+46.1	+58.4	+72.5	+89.1	+109.7	+138.1
3 30	0.0	+7.1	+14.7	+22.9	+31.8	+41.6	+52.4	+64.5	+78.3	+ 94.5	+114.3
3 40	0.0	+6.5	+13.4	+20.9	+28.9	+37.6	+47.2	+57.7	+69.4	+ 82.7	+ 98.2
3 50	0.0	+5.9	+12.2	+19.0	+26.2	+34.0	+42.5	+51.7	+61.9	+ 73.3	+ 86.1
4 0	0.0	+5.4	+11.1	+17.2	+23.7	+30.8	+38.2	+46.3	+55.2	+ 65.0	+ 76.0
4 10	0.0	+4.9	+10.1	+15.6	+21.4	+27.7	+34.4	+41.6	+49.4	+ 57.9	+ 67.3
4 20	0.0	+4.5	+ 9.1	+14.0	+19.2	+24.8	+30.8	+37.2	+44.0	+ 51.5	+ 59.6
4 30	0.0	+4.0	+ 8.1	+12.5	+17.2	+22.2	+27.5	+33.1	+39.1	+ 45.7	+ 52.7
4 40	0.0	+3.5	+ 7.3	+11.2	+15.3	+19.7	+24.3	+29.3	+34.5	+ 40.2	+ 46.3
4 50	0.0	+3.1	+ 6.4	+ 9.8	+13.4	+17.3	+21.4	+25.6	+30.2	+ 35.1	+ 40.4
5 0	0.0	+2.7	+ 5.5	+ 8.5	+11.6	+15.0	+18.5	+22.2	+26.1	+ 30.3	+ 34.8
5 10	0.0	+2.3	+ 4.7	+ 7.2	+10.0	+12.8	+15.7	+18.9	+22.2	+ 25.7	+ 29.5
5 20	0.0	+2.0	+ 3.9	+ 6.0	+ 8.3	+10.7	+13.1	+15.7	+18.4	+ 21.3	+ 24.4
5 30	0.0	+1.6	+ 3.2	+ 4.8	+ 6.7	+ 8.5	+10.5	+12.6	+14.8	+ 17.1	+ 19.6
5 40	0.0	+1.2	+ 2.4	+ 3.7	+ 5.0	+ 6.5	+ 7.9	+ 9.5	+11.2	+ 13.0	+ 14.8
5 50	0.0	+0.8	+ 1.7	+ 2.6	+ 3.4	+ 4.4	+ 5.5	+ 6.5	+ 7.7	+ 8.9	+ 10.2
6 0	0.0	+0.5	+ 0.9	+ 1.4	+ 1.9	+ 2.4	+ 3.0	+ 3.6	+ 4.2	+ 4.9	+ 5.6
6 10	0.0	+0.1	+ 0.2	+ 0.2	+ 0.4	+ 0.5	+ 0.6	+ 0.7	+ 0.8	+ 0.9	+ 1.1
6 20	0.0	−0.3	− 0.6	− 0.9	− 1.2	− 1.5	− 1.9	− 2.3	− 2.6	− 3.0	− 3.5
6 30	0.0	−0.6	− 1.3	− 2.0	− 2.7	− 3.5	− 4.3	− 5.2	− 6.0	− 7.0	− 8.0
6 40	0.0	−1.0	− 2.1	− 3.1	− 4.3	− 5.5	− 6.8	− 8.1	− 9.5	− 11.0	− 12.6
6 50	0.0	−1.3	− 2.9	− 4.3	− 5.9	− 7.5	− 9.4	−11.2	−13.1	− 15.1	− 17.3
7 0	0.0	−1.7	− 3.6	− 5.5	− 7.5	− 9.6	−11.9	−14.3	−16.7	− 19.3	− 22.2
7 10	0.0	−2.1	− 4.4	− 6.7	− 9.2	−11.7	−14.5	−17.4	−20.4	− 23.7	− 27.1
7 20	0.0	−2.5	− 5.1	− 7.9	−10.8	−13.8	−17.1	−20.6	−24.2	− 28.1	− 32.3
7 30	0.0	−2.9	− 6.0	− 9.2	−12.6	−16.1	−19.9	−24.0	−28.2	− 32.8	− 37.7
7 40	0.0	−3.3	− 6.9	−10.6	−14.4	−18.5	−22.9	−27.5	−32.4	− 37.8	− 43.4
7 50	0.0	−3.8	− 7.7	−12.0	−16.3	−21.0	−25.9	−31.3	−36.9	− 43.0	− 49.6
8 0	0.0	−4.2	− 8.7	−13.4	−18.3	−23.7	−29.2	−35.3	−41.7	− 48.7	− 56.3
8 10	0.0	−4.7	− 9.6	−14.9	−20.4	−26.4	−32.6	−39.5	−46.8	− 54.8	− 63.5
8 20	0.0	−5.2	−10.6	−16.4	−22.6	−29.2	−36.3	−44.0	−52.3	− 61.5	− 71.6
8 30	0.0	−5.7	−11.7	−18.1	−25.0	−32.4	−40.4	−49.1	−58.6	− 69.1	− 81.0
8 40	0.0	−6.3	−12.9	−19.9	−27.6	−35.8	−44.9	−54.9	−65.7	− 77.9	− 92.1
8 50	0.0	−6.8	−14.1	−21.9	−30.5	−39.7	−49.8	−61.2	−73.8	− 88.5	−106.1
9 0	0.0	−7.4	−15.4	−24.1	−33.7	−44.1	−55.3	−68.4	−83.6	−101.4	−125.9

*) *t* ist beim Aufgang der Zeitunterschied zwischen Aufgang und Kulmination, beim Untergang der Zeitunterschied zwischen Kulmination und Untergang.

Hilfstafeln

zur Berechnung der optischen Mondlibration

λ−☊	Δλ	a	B	λ−☊	λ−☊	Δλ	a	B	λ−☊
°	′		° ′	°	°	′		° ′	°
0	+0.0+	−0.0269+	−0 0.0+	180	45	+0.6+	−0.0190+	−1 5.3+	225
1	0.0	268	0 1.6	181	46	0.6	187	1 6.4	226
2	0.0	268	0 3.2	182	47	0.6	183	1 7.5	227
3	0.1	268	0 4.8	183	48	0.6	180	1 8.6	228
4	0.1	268	0 6.4	184	49	0.6	176	1 9.7	229
5	+0.1+	−0.0268+	−0 8.0+	185	50	+0.6+	−0.0173+	−1 10.7+	230
6	0.1	267	0 9.7	186	51	0.6	169	1 11.8	231
7	0.1	267	0 11.3	187	52	0.6	165	1 12.8	232
8	0.2	266	0 12.9	188	53	0.6	162	1 13.8	233
9	0.2	265	0 14.4	189	54	0.6	158	1 14.7	234
10	+0.2+	−0.0264+	−0 16.0+	190	55	+0.6+	−0.0154+	−1 15.6+	235
11	0.2	264	0 17.6	191	56	0.6	150	1 16.5	236
12	0.2	263	0 19.2	192	57	0.6	146	1 17.4	237
13	0.3	262	0 20.8	193	58	0.6	142	1 18.3	238
14	0.3	261	0 22.3	194	59	0.5	138	1 19.2	239
15	+0.3+	−0.0259+	−0 23.9+	195	60	+0.5+	−0.0134+	−1 20.0+	240
16	0.3	258	0 25.5	196	61	0.5	130	1 20.8	241
17	0.3	257	0 27.0	197	62	0.5	126	1 21.5	242
18	0.4	255	0 28.5	198	63	0.5	122	1 22.3	243
19	0.4	254	0 30.1	199	64	0.5	118	1 23.0	244
20	+0.4+	−0.0252+	−0 31.6+	200	65	+0.5+	−0.0114+	−1 23.7+	245
21	0.4	251	0 33.1	201	66	0.5	109	1 24.4	246
22	0.4	249	0 34.6	202	67	0.4	105	1 25.0	247
23	0.4	247	0 36.1	203	68	0.4	101	1 25.6	248
24	0.5	245	0 37.6	204	69	0.4	096	1 26.2	249
25	+0.5+	−0.0243+	−0 39.0+	205	70	+0.4+	−0.0092+	−1 26.8+	250
26	0.5	241	0 40.5	206	71	0.4	87	1 27.3	251
27	0.5	239	0 41.9	207	72	0.4	83	1 27.8	252
28	0.5	237	0 43.4	208	73	0.3	79	1 28.3	253
29	0.5	235	0 44.8	209	74	0.3	74	1 28.8	254
30	+0.5+	−0.0233+	−0 46.2+	210	75	+0.3+	−0.0070+	−1 29.2+	255
31	0.5	230	0 47.6	211	76	0.3	65	1 29.6	256
32	0.6	228	0 48.9	212	77	0.3	60	1 30.0	257
33	0.6	225	0 50.3	213	78	0.2	56	1 30.3	258
34	0.6	223	0 51.6	214	79	0.2	51	1 30.6	259
35	+0.6+	−0.0220+	−0 53.0+	215	80	+0.2+	−0.0047+	−1 30.9+	260
36	0.6	217	0 54.3	216	81	0.2	42	1 31.2	261
37	0.6	214	0 55.6	217	82	0.2	37	1 31.4	262
38	0.6	212	0 56.9	218	83	0.1	33	1 31.6	263
39	0.6	209	0 58.1	219	84	0.1	28	1 31.8	264
40	+0.6+	−0.0206+	−0 59.4+	220	85	+0.1+	−0.0023+	−1 32.0+	265
41	0.6	203	1 0.6	221	86	0.1	19	1 32.1	266
42	0.6	200	1 1.8	222	87	0.1	14	1 32.2	267
43	0.6	196	1 3.0	223	88	0.0	09	1 32.3	268
44	0.6	193	1 4.1	224	89	0.0	05	1 32.3	269
45	+0.6+	−0.0190+	−1 5.3+	225	90	+0.0+	−0.0000+	−1 32.3+	270

$$l' = \lambda + \Delta\lambda - a(B - \beta) - L_{☾}; \quad b' = B - \beta$$

l', b' = Optische Libration der Mondmitte in selenographischer Länge und Breite.

λ, β = Länge und Breite des Mondmittelpunktes, berechnet für den Beobachtungsort.

$L_{☾}$ = Mittlere Länge des Mondes, ☊ = Mondknoten.

Hilfstafeln

zur Berechnung der optischen Mondlibration

λ−☊	Δλ	a	B	λ−☊	λ−☊	Δλ	a	B	λ−☊
°	′		° ′	°	°	′		° ′	°
90	−0.0−	+0.0000−	−1 32.3+	270	135	−0.6−	+0.0190−	−1 5.3+	315
91	0.0	05	1 32.3	271	136	0.6	193	1 4.1	316
92	0.0	09	1 32.3	272	137	0.6	196	1 3.0	317
93	0.1	14	1 32.2	273	138	0.6	200	1 1.8	318
94	0.1	19	1 32.1	274	139	0.6	203	1 0.6	319
95	−0.1−	+0.0023−	−1 32.0+	275	140	−0.6−	+0.0206−	−0 59.4+	320
96	0.1	28	1 31.8	276	141	0.6	209	0 58.1	321
97	0.1	33	1 31.6	277	142	0.6	212	0 56.9	322
98	0.2	37	1 31.4	278	143	0.6	214	0 55.6	323
99	0.2	42	1 31.2	279	144	0.6	217	0 54.3	324
100	−0.2−	+0.0047−	−1 30.9+	280	145	−0.6−	+0.0220−	−0 53.0+	325
101	0.2	51	1 30.6	281	146	0.6	223	0 51.6	326
102	0.2	56	1 30.3	282	147	0.6	225	0 50.3	327
103	0.3	60	1 30.0	283	148	0.6	228	0 48.9	328
104	0.3	65	1 29.6	284	149	0.5	230	0 47.6	329
105	−0.3−	+0.0070−	−1 29.2+	285	150	−0.5−	+0.0233−	−0 46.2+	330
106	0.3	74	1 28.8	286	151	0.5	235	0 44.8	331
107	0.3	79	1 28.3	287	152	0.5	237	0 43.4	332
108	0.4	83	1 27.8	288	153	0.5	239	0 41.9	333
109	0.4	87	1 27.3	289	154	0.5	241	0 40.5	334
110	−0.4−	+0.0092−	−1 26.8+	290	155	−0.5−	+0.0243−	−0 39.0+	335
111	0.4	096	1 26.2	291	156	0.5	245	0 37.6	336
112	0.4	101	1 25.6	292	157	0.4	247	0 36.1	337
113	0.4	105	1 25.0	293	158	0.4	249	0 34.6	338
114	0.5	109	1 24.4	294	159	0.4	251	0 33.1	339
115	−0.5−	+0.0114−	−1 23.7+	295	160	−0.4−	+0.0252−	−0 31.6+	340
116	0.5	118	1 23.0	296	161	0.4	254	0 30.1	341
117	0.5	122	1 22.3	297	162	0.4	255	0 28.5	342
118	0.5	126	1 21.5	298	163	0.3	257	0 27.0	343
119	0.5	130	1 20.8	299	164	0.3	258	0 25.5	344
120	−0.5−	+0.0134−	−1 20.0+	300	165	−0.3−	+0.0259−	−0 23.9+	345
121	0.5	138	1 19.2	301	166	0.3	261	0 22.3	346
122	0.6	142	1 18.3	302	167	0.3	262	0 20.8	347
123	0.6	146	1 17.4	303	168	0.2	263	0 19.2	348
124	0.6	150	1 16.5	304	169	0.2	264	0 17.6	349
125	−0.6−	+0.0154−	−1 15.6+	305	170	−0.2−	+0.0264−	−0 16.0+	350
126	0.6	158	1 14.7	306	171	0.2	265	0 14.4	351
127	0.6	162	1 13.8	307	172	0.2	266	0 12.9	352
128	0.6	165	1 12.8	308	173	0.1	267	0 11.3	353
129	0.6	169	1 11.8	309	174	0.1	267	0 9.7	354
130	−0.6−	+0.0173−	−1 10.7+	310	175	−0.1−	+0.0268−	−0 8.0+	355
131	0.6	176	1 9.7	311	176	0.1	268	0 6.4	356
132	0.6	180	1 8.6	312	177	0.1	268	0 4.8	357
133	0.6	183	1 7.5	313	178	0.0	268	0 3.2	358
134	0.6	187	1 6.4	314	179	0.0	268	0 1.6	359
135	−0.6−	+0.0190−	−1 5.3+	315	180	−0.0−	+0.0269−	−0 0.0+	360

$$l' = \lambda + \Delta\lambda - a\,(B - \beta) - L_{☾}; \quad b' = B - \beta$$

l', b' = Optische Libration der Mondmitte in selenographischer Länge und Breite.

λ, β = Länge und Breite des Mondmittelpunktes, berechnet für den Beobachtungsort.

$L_{☾}$ = Mittlere Länge des Mondes, ☊ = Mondknoten.

Hilfsgrößen

zur Berechnung der geozentrischen Koordinaten

$\rho \sin \varphi' = s \sin \varphi; \qquad \rho \cos \varphi' = c \cos \varphi$

φ	log *s*		log *c*		φ	log *s*		log *c*	
± 0°	9.9970705	4	0.0000000	4	±40°	9.9976745	252	0.0006040	252
1	.9970709	14	.0000004	14	41	.9976997	254	.0006292	254
2	.9970723	22	.0000018	22	42	.9977251	255	.0006546	255
3	.9970745	31	.0000040	31	43	.9977506	255	.0006801	255
4	.9970776	40	.0000071	40	44	.9977761	255	.0007056	255
5	9.9970816	49	0.0000111	49	45	9.9978016	256	0.0007311	256
6	.9970865	57	.0000160	57	46	.9978272	255	.0007567	255
7	.9970922	66	.0000217	66	47	.9978527	255	.0007822	255
8	.9970988	74	.0000283	74	48	.9978782	254	.0008077	254
9	.9971062	83	.0000357	83	49	.9979036	252	.0008331	252
10	9.9971145	92	0.0000440	92	50	9.9979288	252	0.0008583	252
11	.9971237	99	.0000532	99	51	.9979540	249	.0008835	249
12	.9971336	108	.0000631	108	52	.9979789	247	.0009084	247
13	.9971444	116	.0000739	116	53	.9980036	245	.0009331	245
14	.9971560	123	.0000855	123	54	.9980281	242	.0009576	242
15	9.9971683	131	0.0000978	131	55	9.9980523	239	0.0009818	239
16	.9971814	139	.0001109	139	56	.9980762	235	.0010057	235
17	.9971953	146	.0001248	146	57	.9980997	232	.0010292	232
18	.9972099	154	.0001394	154	58	.9981229	228	.0010524	228
19	.9972253	160	.0001548	160	59	.9981457	224	.0010752	224
20	9.9972413	168	0.0001708	168	60	9.9981681	220	0.0010976	220
21	.9972581	174	.0001876	174	61	.9981901	215	.0011196	215
22	.9972755	180	.0002050	180	62	.9982116	209	.0011411	209
23	.9972935	187	.0002230	187	63	.9982325	205	.0011620	205
24	.9973122	192	.0002417	192	64	.9982530	199	.0011825	199
25	9.9973314	198	0.0002609	198	65	9.9982729	193	0.0012024	193
26	.9973512	204	.0002807	204	66	.9982922	188	.0012217	188
27	.9973716	209	.0003011	209	67	.9983110	181	.0012405	181
28	.9973925	214	.0003220	214	68	.9983291	175	.0012586	175
29	.9974139	219	.0003434	219	69	.9983466	168	.0012761	168
30	9.9974358	223	0.0003653	223	70	9.9983634	161	0.0012929	161
31	.9974581	227	.0003876	227	71	.9983795	154	.0013090	154
32	.9974808	232	.0004103	232	72	.9983949	147	.0013244	147
33	.9975040	235	.0004335	235	73	.9984096	140	.0013391	140
34	.9975275	238	.0004570	238	74	.9984236	132	.0013531	132
35	9.9975513	241	0.0004808	241	75	9.9984368	124	0.0013663	124
36	.9975754	245	.0005049	245	76	.9984492	117	.0013787	117
37	.9975999	246	.0005294	246	77	.9984609	108	.0013904	108
38	.9976245	249	.0005540	249	78	.9984717	100	.0014012	100
39	.9976494	251	.0005789	251	79	.9984817	92	.0014112	92
40	9.9976745		0.0006040		80	9.9984909		0.0014204	

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich − östlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Abbadia	69	+43 22 52.2	+ 0 7 0.1	+ 1.15	+43 11 17.8	9.999317
Åbo	—	+60 26 56.8	− 1 29 6.30	− 14.64	+60 16 58.8	9.998894
Adelaide	41	−34 55 35.1	− 9 14 19.90	− 91.06	−34 44 42.7	9.999526
Albany (Neue Sternw.)[1]	40	+42 39 12.8	+ 4 55 7.12	+ 48.48	+42 27 39.7	9.999334
Algier (Neue Sternw.)[2]	345	+36 48 4.8	− 0 12 8.47	− 1.99	+36 36 58.1	9.999497
Allegheny (Neue Sternw.)	370	+40 28 58.1	+ 5 20 5.39	+ 52.59	+40 17 31.4	9.999411
Allegheny (Alte Sternw.)	349	+40 27 41.6	+ 5 20 2.97	+ 52.58	+40 16 15.0	9.999411
Amherst (Neue Sternw.)	110	+42 21 56.5	+ 4 50 5.98	+ 47.66	+42 10 24.0	9.999346
Amherst (Alte Sternw.)	122	+42 22 17.1	+ 4 50 4.72	+ 47.66	+42 10 44.6	9.999347
Ann Arbor	282	+42 16 48.7	+ 5 34 55.27	+ 55.02	+42 5 16.4	9.999360
Arcetri Zentr. d. Sternw.[3]	184	+43 45 14.4	− 0 45 1.30	− 7.39	+43 33 39.5	9.999316
Arequipa[4]	2451	−16 22 28.0	+ 4 46 11.73	+ 47.02	−16 16 12.7	0.000052
Armagh	64	+54 21 11	+ 0 26 35.48	+ 4.37	+54 10 11.4	9.999041
Athen	110	+37 58 15.5	− 1 34 52.2	− 15.58	+37 47 1.2	9.999456
Bamberg (Remeis-Sternw.)	288	+49 53 6.0	− 0 43 33.57	− 7.15	+49 41 40.0	9.999167
Barcelona[5]	415	+41 24 59.3	− 0 8 30.2	− 1.41	+41 13 29.4	9.999391
Beloit	245	+42 30 8.4	+ 5 56 7.4	+ 58.51	+42 18 35.6	9.999352
Bergedorf Mer.-Kr.	41	+53 28 46.9	− 0 40 57.74	− 6.73	+53 17 40.8	9.999060
Berkeley	94	+37 52 23.5	+ 8 9 2.80	+ 80.34	+37 41 9.8	9.999458
Berlin-Babelsberg[6]	82	+52 24 24.2	− 0 52 25.49	− 8.61	+52 13 11.1	9.999089
Berlin (Urania)[7]	47	+52 31 30.7	− 0 53 27.40	− 8.78	+52 20 18.3	9.999084
Bern	573	+46 57 8.7	− 0 29 45.55	− 4.89	+46 45 34.5	9.999261
Besançon	312	+47 14 59.0	− 0 23 57.1	− 3.93	+47 3 25.3	9.999236
Blaca	280	+43 17 37	− 1 6 8.0	− 10.86	+43 6 3	9.999334
Bloemfontein Filiale d. Detroit Obs.	1490	−29 5 45	− 1 44 57	− 17.24	−28 55 55	9.999758
Bloemfontein Boyden Stat. d. Harv. Obs.	1379	−29 12	− 1 45 57	− 17.40	−29 2	9.999748
Bogota	2640	+ 4 35 55.2	+ 4 56 19.51	+ 48.68	+ 4 34 4.4	0.000111
Bologna Zentr. d. Sternw.	84	+44 29 52.8	− 0 45 24.48	− 7.46	+44 18 17.3	9.999290
Bombay (Colaba)	19	+18 53 36.2	− 4 51 15.60	− 47.85	+18 46 31.1	9.999849
Bonn Zentr. d. Sternw.	62	+50 43 45.0	− 0 28 23.18	− 4.66	+50 32 22.7	9.999130
Bordeaux (Floirac)	73	+44 50 7.2	+ 0 2 6.56	+ 0.35	+44 38 31.6	9.999281
Boston (University)[8]	31	+42 20 58	+ 4 44 19.1	+ 46.71	+42 9 25.6	9.999341
Bothkamp[9]	32	+54 12 9.6	− 0 40 31.2	− 6.65	+54 1 8.8	9.999042
Breslau Zentr. d. Sternw.	147	+51 6 56.5	− 1 8 8.72	− 11.19	+50 55 36.1	9.999126
Breslau Neue Sternw.	117	+51 6 41	− 1 8 21.19	− 11.23	+50 55 20.6	9.999130
Brisbane	51	−27 28 23.0	−10 12 6.48	−100.55	−27 18 54.6	9.999694
Brüssel (Alte Sternw.) Pass. Instr.	56	+50 51 10.7	− 0 17 28.71	− 2.87	+50 39 49.0	9.999126
Brüssel (Uccle) Mer.-Kr.	105	+50 47 54.6	− 0 17 26.05	− 2.86	+50 36 32.7	9.999131
Budapest Univ.-Sternw.	110	+47 29 34.7	− 1 16 15.4	− 12.53	+47 18 1.5	9.999215

[1]) Dudley Observatory, seit Juni 1893. Alte Sternwarte 37″.0 nördlich, 7s.10 östlich. — [2]) Alte Sternwarte 3″.8 südlich, 8s östlich. — [3]) Seit Oktober 1872, früher in Florenz. — [4]) 1927 geschlossen und nach Bloemfontein verlegt. — [5]) J. Comas Solà. — [6]) Die Koordinaten beziehen sich auf die Mitte der großen Kuppel, in der der große Refraktor aufgestellt ist. Die frühere Sternwarte in Berlin (seit 1835) lag 5′ 52″.5 nördlich und 1m 9s.31 östlich. — [7]) Übungssternwarte der Universität. — [8]) Die alte Sternwarte lag 4s.1 östlich, 34″.5 nördlich. — [9]) Herr von Bülow.

Koordinaten der Sternwarten

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich — östlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Budapest[1]	110	+47 28 49	—1 16 13.7	—12.53	+47 17 16	9.999215
Bukarest (Mil. Geogr. Inst.)	85	+44 24 34.2	—1 44 27.01	—17.16	+44 12 58.7	9.999292
Cambridge Engl. . .	28	+52 12 51.6	—0 0 22.75	— 0.06	+52 1 37.3	9.999090
Cambridge Mass.[2] . .	24	+42 22 47.6	+4 44 31.05	+46.74	+42 11 15.1	9.999340
Cap d. gut. Hoffnung	10	—33 56 6.8	—1 13 54.60	—12.14	—33 45 23.2	9.999547
Caracas (Observ. Cajigal) .	1042	+10 30 24.3	+4 27 42.61	+43.98	+10 26 15.6	0.000023
Castel Gandolfo . .	—	+41 44 48	—0 50 36.4	— 8.31	+41 33 17	9.999354
Catania.	47	+37 30 13.3	—1 0 20.60	— 9.91	+37 19 1.9	9.999466
Charkow	139	+50 0 9.9	—2 24 55.72	—23.81	+49 48 44.4	9.999153
Charlottenburg, Techn. Hochsch.	60	+52 30 48.7	—0 53 20.5	— 8.76	+52 19 36.2	9.999085
Charlottesville[3] . . .	259	+38 2 1.2	+5 14 5.33	+51.60	+37 50 46.5	9.999464
Christiania (Oslo) Mer.-Kr.	25	+59 54 43.7	—0 42 53.51	— 7.04	+59 44 39.2	9.998908
Cincinnati (Alte Sternw.) .	—	+39 6 26.5	+5 37 59.09	+55.52	+38 55 6.0	9.999421
Cincinnati (Neue Sternw.)[4]	247	+39 8 19.8	+5 37 41.40	+55.47	+38 56 59.1	9.999437
Cleveland (Case Obs.) . .	215	+41 30 14.5	+5 26 25.86	+53.63	+41 18 44.3	9.999375
Coimbra	99	+40 12 24.5	+0 33 43.1	+ 5.54	+40 0 58.9	9.999400
Columbia Missouri[5] .	225	+38 56 12	+6 9 18.37	+60.67	+38 44 52.3	9.999442
Cordoba	434	—31 25 15.5	+4 16 47.16	+42.18	—31 14 57.5	9.999635
Danzig (Naturf. Ges.) . .	30	+54 21 18.0	—1 14 39.6	—12.26	+54 10 18.4	9.999036
Danzig (Städt. Sternw.) .	30	+54 21 37.9	—1 14 36.5	—12.26	+54 10 38.3	9.999036
Denver[6]	1644	+39 40 36.4	+6 59 47.72	+68.96	+39 29 13.1	9.999519
Dorpat (Tartu, Jurjew) Mer.-Kr. .	67	+58 22 47.2	—1 46 53.18	—17.56	+58 12 25.1	9.998946
Dresden (Geodät. Inst.) .	168	+51 1 49.3	—0 54 55.1	— 9.02	+50 50 28.5	9.999130
Dresden (Mathem. Salon) .	—	+51 3 14.7	—0 54 55.83	— 9.02	+50 51 54.0	9.999117
Dublin (Dunsink Obs.) . .	86	+53 23 13.1	+0 25 21.1	+ 4.17	+53 12 6.4	9.999065
Düsseldorf (Bilk) . . .	46	+51 12 25.0	—0 27 2.69	— 4.44	+51 1 5.1	9.999117
Durham	108	+54 46 6.2	+0 6 19.75	+ 1.04	+54 35 9.8	9.999033
Edinburgh	146	+55 55 30	+0 12 44.1	+ 2.09	+55 44 43.5	9.999008
Edinburgh (Blackf. Hill) .	134	+55 55 28.0	+0 12 44.0	+ 2.09	+55 44 41.5	9.999007
Evanston (Dearborn Obs.)	175	+42 3 33.4	+5 50 42.3	+57.61	+41 52 1.6	9.999358
Faenza (Urania Lamonia) .	45	+44 17 2	—0 47 33.9	— 7.81	+44 5 27	9.999293
Flagstaff (Lowell Obs.) .	2210	+35 12 30.5	+7 26 44.6	+73.39	+35 1 35.8	9.999667
Florenz (Alte Sternw.)[7] .	73	+43 46 4.1	—0 44 59.6	— 7.39	+43 34 29.2	9.999308
Florenz (Mil. Geogr. Inst.)	72	+43 46 49.4	—0 45 2.5	— 7.40	+43 35 14.5	9.999308
Frankfurt a. M. . . .	121	+50 7 0	—0 34 36.3	— 5.70	+49 55 34.6	9.999149
Genf Mer.-Kr.	406	+46 11 59.3	—0 24 36.53	— 4.04	+46 0 24.1	9.999269
Genua (Mar. Sternw.) Mer.-Kr. . .	108	+44 25 8.1	—0 35 41.28	— 5.86	+44 13 32.6	9.999294
Georgetown D. C. . .	62	+38 54 26.2	+5 8 18.33	+50.65	+38 43 6.7	9.999430
Glasgow Schottl. . .	55	+55 52 42.1	+0 17 10.55	+ 2.82	+55 41 55.2	9.999003
Glasgow Missouri . .	228	+39 13 45.6	+6 11 18.06	+61.00	+39 2 24.5	9.999433

[1]) Observ. der Kgl. Josef-Technischen Hochschule. — [2]) Harvard College Observatory. — [3]) Leander Mc. Cormick Observatory, University of Virginia. — [4]) Mount Lookout seit 1873. — [5]) Laws Observatory. — [6]) University Park, Chamberlin Observatory. — [7]) 1872 nach Arcetri verlegt.

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich − östlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Göttingen Mer.-Kr. . .	161	+51 31 48.2	−0 39 46.22	− 6.53	+51 20 30.0	9.999117
Gotha (Neue Sternw.) Zentr. d. St.[1]) . .	322	+50 56 37.9	−0 42 50.51	− 7.04	+50 45 16.7	9.999142
Graz	375	+47 4 37.2	−1 1 47.71	−10.15	+46 53 3.2	9.999244
Greenwich Transit Circle .	47	+51 28 38.2	0 0 0.00	0.00	+51 17 19.7	9.999110
Groningen	4	+53 13 13.8	−0 26 15.11	− 4.31	+53 2 6.0	9.999064
Hamburg (Alte Sternw.) Mer.-Kr.[2])	25	+53 33 6.0	−0 39 53.60	− 6.55	+53 22 0.4	9.999057
Hamburg (D. Seewarte) .	30	+53 32 51.8	−0 39 53.42	− 6.55	+53 21 46.2	9.999058
Hanover N. H. . . .	183	+43 42 15.3	+4 49 8.00	+47.50	+43 30 40.5	9.999317
Haverford	116	+40 0 40.1	+5 1 12.7	+49.48	+39 49 15.4	9.999406
Heidelberg (Wolfs Sternw.)	126	+49 24 35	−0 34 48.4	− 5.72	+49 13 7	9.999159
Heidelberg (Königst.) Mer.-Kr. . .	570	+49 23 54.6	−0 34 53.13	− 5.73	+49 12 26.8	9.999198
Helsingfors Mer.-Kr. . .	33	+60 9 42.3	−1 39 49.10	−16.40	+59 59 40.8	9.998903
Helwan.	115	+29 51 31.1	−2 5 21.77	−20.59	+29 41 31.4	9.999648
Hongkong	33	+22 18 13.2	−7 36 41.25	−75.02	+22 10 5.8	9.999793
Hyderabad-Deccan[3]) .	554	+17 25 54.3	−5 13 48.98	−51.55	+17 19 17.7	9.999907
Innsbruck	605	+47 16 6.5	−0 45 31.42	− 7.48	+47 4 32.8	9.999254
Jena (Univers.) Zentr. d. St.	164	+50 55 35.6	−0 46 20.22	− 7.61	+50 44 14.3	9.999131
Jena (Winkler)	174	+50 56 15.7	−0 46 20.73	− 7.61	+50 44 54.5	9.999132
Johannesburg	1786	−26 10 52.1	−1 52 17.9	−18.45	−26 1 42.0	9.999839
Johannesburg (Fil. d. Yale Observ.)	1741	−26 11 14	−1 52 7	−18.42	−26 2 4	9.999836
Kairo	—	+30 4 38.2	−2 5 8.80	−20.56	+29 54 35.8	9.999635
Kalocsa[4])	102	+46 31 42.4	−1 15 54.34	−12.47	+46 20 7.6	9.999239
Karlsruhe[5])	110	+49 0 29.6	−0 33 35.40	− 5.52	+48 49 0.4	9.999177
Kasan (Univers.) . . .	79	+55 47 24.3	−3 16 29.03	−32.28	+55 36 36.6	9.999007
Kasan (Engelhardt) . .	98	+55 50 20.5	−3 15 15.74	−32.08	+55 39 33.2	9.999007
Kew	10	+51 28 6	+0 1 15.1	+ 0.21	+51 16 47.5	9.999108
Kiel Neuer Mer.-Kr. . . .	52	+54 20 27.6	−0 40 35.45	− 6.67	+54 9 27.9	9.999040
Kiel Alter Mer.-Kr. . . .	47	+54 20 28.5	−0 40 35.57	− 6.67	+54 9 28.8	9.999040
Kiew Mer.-Kr.	184	+50 27 11.8	−2 2 0.56	−20.04	+50 15 48.3	9.999145
Kital	658	+39 8 1.7	−4 27 31.7	−43.95	+38 56 41.0	9.999465
Kodaikanal	2343	+10 13 50	−5 9 52.0	−50.94	+10 9 47.6	0.000114
Königsberg Reps. Mer.-Kr.[6]) .	22	+54 42 50.6	−1 21 58.98	−13.47	+54 31 53.8	9.999029
Konstanz[7])	420	+47 39 43.6	−0 36 42.01	− 6.03	+47 28 10.7	9.999232
Kopenhagen (Neue Sternw.)[8]) .	14	+55 41 12.6	−0 50 18.69	− 8.26	+55 30 24.0	9.999005
Kopenhagen (Urania-Sternw.) .	10	+55 41 19.2	−0 50 9.11	− 8.24	+55 30 30.6	9.999005
Krakau Mer.-Kr. . . .	221	+50 3 51.9	−1 19 50.28	−13.11	+49 52 26.7	9.999158
Kremsmünster Mer.-Kr.	384	+48 3 23.1	−0 56 31.58	− 9.28	+47 51 51.1	9.999219

[1]) Seit 1857, früher Seeberg. — [2]) 1909 nach Bergedorf verlegt. — [3]) Nizamiah Observatory. — [4]) Erzbischöfl. Haynaldsche Sternwarte. — [5]) 1896 nach Heidelberg verlegt. — [6]) Nach 1898, vor 1898 0ˢ.01 westlich. — [7]) Privatsternwarte von E. Leiner. — [8]) Seit 1861 Nov. 11. Alte Sternwarte 20″.3 südlich, 0ˢ.03 westlich.

Koordinaten der Sternwarten

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich − östlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Kyoto (Astron. Inst.)	55	+35 1 37.1	−9 3 7.0	−89.22	+34 50 43.9	9.999525
Kyoto (Kwasan Observ.)	220	+34 59 40.3	−9 3 10.24	−89.23	+34 48 47.4	9.999537
Landstuhl (Fauth)	385	+49 24 42.5	−0 30 16.35	− 4.97	+49 13 14.7	9.999185
La Plata Mer.-Kr. Gautier	17	−34 54 30.3	+3 51 43.74	+38.07	−34 43 38.1	9.999525
Leiden (Neue Sternw.) Mer.-Kr.[1]	6	+52 9 19.8	−0 17 56.15	− 2.94	+51 58 5.2	9.999090
Leipzig (Neue Sternw.) Zentr.[2]	119	+51 20 5.9	−0 49 33.93	− 8.14	+51 8 46.7	9.999119
Lembang (Bosscha St.)	1300	− 6 49 29.1	−7 10 27.81	−70.71	− 6 46 45.5	0.000068
Lemberg (Techn. Hochsch.) Pass. Instr.	340	+49 50 11.2	−1 36 3.40	−15.78	+49 38 45.0	9.999171
Leningrad (Petersburg) (Akad.)	20	+59 56 29.7	−2 1 13.35	−19.91	+59 46 25.5	9.998907
Leningrad (Petersburg) (Univers.)	4	+59 56 32.0	−2 1 11.3	−19.91	+59 46 27.8	9.998906
Lissabon (Tapada)	94	+38 42 30.5	+0 36 44.68	+ 6.04	+38 31 12.0	9.999437
Lissabon (Mar. Sternw.)	—	+38 42 17.6	+0 36 33.6	+ 6.01	+38 30 59.2	9.999431
Liverpool (Neue Sternw.)[3]	62	+53 24 4.8	+0 12 17.33	+ 2.02	+53 12 58.2	9.999063
Lourenço Marques	60	−25 58 5.5	−2 10 22.63	−21.42	−25 48 58.9	9.999725
Lübeck (Navig.-Sch.)	19	+53 51 31.1	−0 42 45.6	− 7.02	+53 40 27.8	9.999049
Lund Zentr. d. Sternw.	34	+55 41 51.6	−0 52 44.97	− 8.66	+55 31 3.1	9.999006
Lüttich Ougrée	128	+50 37 6	−0 22 12	− 3.65	+50 25 43	9.999137
Lyon	299	+45 41 40.8	−0 19 8.5	− 3.14	+45 30 5.3	9.999274
Madison (Washburn Observ.)	292	+43 4 36.8	+5 57 37.90	+58.75	+42 53 2.9	9.999340
Madras	7	+13 4 8.0	−5 20 59.65	−52.73	+12 59 2.5	9.999926
Madrid Zentr. d. Sternw.	656	+40 24 30.1	+0 14 45.09	+ 2.43	+40 13 3.7	9.999433
Mailand, Brera	120	+45 27 59.2	−0 36 45.89	− 6.04	+45 16 23.6	9.999268
Manila	3	+14 35 25	−8 3 50	−79.48	+14 29 47	9.999908
Mannheim Zentr. d. Sternw.	98	+49 29 11.0	−0 33 50.42	− 5.56	+49 17 43.5	9.999164
Marburg	248	+50 48 46.9	−0 35 4.9	− 5.76	+50 37 25.0	9.999141
Mare Island Calif.	18	+38 5 55.8	+8 9 5.63	+80.35	+37 54 40.8	9.999447
Markree (Col. Cooper)	45	+54 10 31.7	+0 33 48.4	+ 5.56	+53 59 30.7	9.999043
Marseille (Neue Sternw.) Mer.-Kr.[4]	75	+43 18 19.1	−0 21 34.56	− 3.54	+43 6 44.8	9.999320
McDonald Observatory (Mount Locke)	2070	+30 40 13	+6 56 6.3	+68.36	+30 30 4	9.999763
Melbourne	28	−37 49 53.4	−9 39 54.17	−95.26	−37 38 39.9	9.999454
Merate (Filiale v. Mailand, Brera)	380	+45 41 54.1	−0 37 42.85	− 6.20	+45 30 18.6	9.999279
Meudon	162	+48 48 18	−0 8 55.5	− 1.46	+48 36 48	9.999185
Mexico	2277	+19 26 1.3	+6 36 26.71	+65.13	+19 18 45.9	9.999995
Middletown, Conn.	70	+41 33 18	+4 50 38.2	+47.74	+41 21 47.6	9.999364
Mizusawa	61	+39 8 3.4	−9 24 31.46	−92.74	+38 56 42.7	9.999424
Modena	63	+44 38 52.8	−0 43 42.8	− 7.18	+44 27 17.2	9.999285
Montreal	57	+45 30 20	+4 54 18.63	+48.35	+45 18 44.4	9.999263
Mt. Hamilton (Lick) Mer.-Kr.	1283	+37 20 25.6	+8 6 34.86	+79.94	+37 9 15.2	9.999552
Mt. Wilson Calif.	1742	+34 12 59.5	+7 52 14.33	+77.57	+34 2 13.3	9.999659

[1]) Seit 1860. Alte Sternwarte 8″.0 nördlich, 0ˢ.42 östlich. — [2]) Seit 1861. Alte Sternwarte 14″.2 nördlich, 4ˢ.00 westlich. — [3]) Alte Sternwarte 44″.0 nördlich, 17ˢ.1 östlich. — [4]) Seit 1866. Alte Sternwarte 30″.1 südlich, 6ˢ.2 westlich; Seehöhe 29m.

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich − östlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Moskau Mer.-Kr. . . .	142	+55 45 19.5	−2 30 17.03	−24.69	+55 34 31.5	9.999012
Mundenheim[1]) . . .	—	+49 27 30	−0 33 44	− 5.54	+49 16 2	9.999158
München (West-Kuppel) .	529	+48 8 45.5	−0 46 26.02	− 7.63	+47 57 13.8	9.999227
Münster	75	+51 57 45.8	−0 30 29.66	− 5.01	+51 46 30.0	9.999100
Nashville (Vanderbilt Obs.)	174	+36 8 58.2	+5 47 12.81	+57.04	+35 57 56.1	9.999506
Natal	79	−29 50 46.6	−2 4 1.18	−20.37	−29 40 47.0	9.999645
Neapel (Capo di Monte) .	154	+40 51 45.7	−0 57 1.40	− 9.37	+40 40 17.6	9.999387
Neuchâtel Refraktor . .	488	+46 59 49.5	−0 27 49.77	− 4.57	+46 48 15.4	9.999254
New Haven (Neue Stw.)[2])	40	+41 19 22.3	+4 51 40.58	+47.92	+41 7 52.7	9.999368
New York (Rutherfurd) .	—	+40 43 48.5	+4 55 56.66	+48.62	+40 32 20.9	9.999380
New York (Columb. Obs.)	—	+40 45 23.1	+4 55 53.73	+48.61	+40 33 55.4	9.999379
Nikolajew Mer.-Kr. . .	55	+46 58 19.3	−2 7 53.98	−21.01	+46 46 45.1	9.999225
Nizza Kl. Mer.-Kr.[3]) . .	378	+43 43 16.9	−0 29 12.15	− 4.79	+43 31 42.0	9.999330
Northfield (Goodsell Obs.)	290	+44 27 41.4	+6 12 35.94	+61.21	+44 16 5.9	9.999305
Oakland Californ.[4]) .	99	+37 47	+8 8 48	+80.30	+37 35 47	9.999460
Odessa (Univ.-Stw.) Mer.-Kr.	55	+46 28 36.2	−2 3 2.05	−20.21	+46 17 1.3	9.999237
Odessa (Filiale Pulkowa) .	—	+46 28 36.0	−2 3 2.19	−20.21	+46 17 1.1	9.999234
Oslo (Christiania) Mer.-Kr..	25	+59 54 43.7	−0 42 53.51	− 7.04	+59 44 39.2	9.998908
Ottawa Mer.-Kr. . . .	85	+45 23 39.1	+5 2 51.98	+49.75	+45 12 3.5	9.999267
Oxford (Radcl. Obs.) . .	65	+51 45 33.9	+0 5 3.0	+ 0.83	+51 34 17.0	9.999104
Oxford (Univers.) . . .	64	+51 45 34.2	+0 5 0.4	+ 0.82	+51 34 17.3	9.999104
Oxford, Mississippi . .	140	+34 22 12.6	+5 58 7.18	+58.83	+34 11 25.1	9.999546
Padua	38	+45 24 1.2	−0 47 29.15	− 7.80	+45 12 25.6	9.999263
Palermo	72	+38 6 44.0	−0 53 25.87	− 8.78	+37 55 28.9	9.999451
Paris (Obs. nat.) Mer. Cassini	59	+48 50 11.2	−0 9 20.93	− 1.53	+48 38 41.5	9.999177
Paris (Montsouris) westl. Mer.	—	+48 49 18.0	−0 9 20.6	− 1.53	+48 37 48.2	9.999174
Peking	—	+39 54 23.0	−7 45 52.87	−76.53	+39 42 58.7	9.999401
Perth, West-Austr. . .	60	−31 57 10.7	−7 43 21.62	−76.12	−31 46 46.9	9.999597
Petersburg (Leningrad) (Akademie) .	20	+59 56 29.7	−2 1 13.35	−19.91	+59 46 25.5	9.998907
Petersburg (Leningrad) (Univers.) .	4	+59 56 32.0	−2 1 11.3	−19.91	+59 46 27.8	9.998906
Philadelphia[5])	74	+39 58 2.1	+5 1 6.88	+49.47	+39 46 37.5	9.999404
Plonsk[6])	—	+52 37 40.0	−1 21 31.9	−13.39	+52 26 28.2	9.999078
Pola	32	+44 51 48.6	−0 55 23.07	− 9.10	+44 40 12.9	9.999277
Porto Alegre[7]) Mer.-Kr..	—	−30 1 51	+3 24 53.2	+33.66	−29 51 49	9.999636
Portsmouth	—	+50 48 3	+0 4 24.8	+ 0.73	+50 36 41	9.999124
Posen	85	+52 23 48.6	−1 7 30.60	−11.09	+52 12 35.4	9.999090

[1]) Dr. Max Mündler. — [2]) Yale University. Alte Sternwarte 45″.8 südlich, 1s.58 westlich. — [3]) Herr R. Bischofsheim. — [4]) Chabot Observatory. — [5]) Flower Obs. (Univ. of Pennsylvania). — [6]) Dr. Jedrzejewicz; 1898 nach Warschau verlegt. — [7]) Observatorio Regional do Rio Grande do Sul.

Koordinaten der Sternwarten

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich − östlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Potsdam (Astrophys. Obs.).	97	+52 22 56.0	− 0 52 15.86	− 8.58	+52 11 42.7	9.999091
Potsdam (Geod. Inst.) Turm	99	+52 22 54.8	− 0 52 16.11	− 8.58	+52 11 41.5	9.999091
Poughkeepsie[1]) . . .	61	+41 41 18	+ 4 55 35.2	+48.56	+41 29 47	9.999360
Prag (Univ.-Stw.) Turm . .	197	+50 5 16.0	− 0 57 40.29	− 9.47	+49 53 50.9	9.999155
Prag (Safarik)	—	+50 4 24	− 0 57 48	− 9.49	+49 52 59	9.999142
Princeton N. J. (N.Stw.)[2])	75	+40 20 55.8	+ 4 58 39.44	+49.06	+40 9 29.7	9.999395
Providence[3])	171	+41 49 46.4	+ 4 45 37.64	+46.92	+41 38 15.2	9.999363
Pulkowa Zentr. d. Stw. .	75	+59 46 18.5	− 2 1 18.57	−19.93	+59 36 12.3	9.998914
Quebec Canada . . .	90	+46 47 59.2	+ 4 44 52.71	+46.80	+46 36 24.8	9.999231
Quito	2846	− 0 14 0	+ 5 13 58.20	+51.58	− 0 13 54	0.000194
Riga (Polytechnikum) Turm	—	+56 57 7	− 1 36 28.11	−15.84	+56 46 30	9.998974
Rio de Janeiro. . . .	63	−22 54 23.7	+ 2 52 41.52	+28.37	−22 46 6.0	9.999784
Rio de Janeiro (N. Stw.)	33	−22 53 41	+ 2 52 53.5	+28.40	−22 45 24	9.999782
Rom (Coll. Rom.) Mer.-Kr.	59	+41 53 53.6	− 0 49 55.36	− 8.19	+41 42 22.3	9.999354
Rom (Capitol) Mer.-Kr. . .	65	+41 53 33.2	− 0 49 56.34	− 8.20	+41 42 1.9	9.999355
Rom (Vatican) Mer.-Kr. [9])	100	+41 54 12.4	− 0 49 48.26	− 8.18	+41 42 41.1	9.999357
Rousdon	157	+50 42 38	+ 0 11 58.9	+ 1.96	+50 31 16	9.999137
Rugby	119	+52 22 30	+ 0 5 2.0	+ 0.83	+52 11 16.7	9.999093
St. Louis Missouri . .	—	+38 38 3.6	+ 6 0 49.15	+59.28	+38 26 45.5	9.999433
Saltsjöbaden (Stockholms Observator.)	55	+59 16 18	− 1 13 14	−12.03	+59 6 6	9.998924
San Fernando	30	+36 27 42.0	+ 0 24 49.30	+ 4.08	+36 16 37.7	9.999488
San Francisco[4]) . . .	—	+37 47 28.0	+ 8 9 42.81	+80.45	+37 36 14.8	9.999453
Santiago de Chile (N. St.)	580	−33 33 44.2	+ 4 42 46.0	+46.44	−33 23 4.1	9.999595
Santiago de Chile (A. St.)	619	−33 26 25.4	+ 4 42 36.9	+46.42	−33 15 46.4	9.999600
Sétif	1120	+36 11 10	− 0 21 38.6	− 3.55	+36 0 7.7	9.999569
Simeïs	360	+44 24 11.6	− 2 15 59.38	−22.34	+44 12 36.1	9.999312
Sofia (Mil. Geogr. Jnst.). .	555	+42 41 51	− 1 33 19.87	−15.33	+42 30 18	9.999368
Sonneberg (Hoffmeister) .	405	+50 21 29.5	− 0 44 42.87	− 7.34	+50 10 5.5	9.999163
Sonneberg (Erbisbühl). .	640	+50 22 41.4	− 0 44 46.19	− 7.36	+50 11 17.5	9.999178
South Hadley	76	+42 15 18.2	+ 4 50 19	+47.69	+42 3 45.9	9.999346
Stalinabad (Tadjik Observ.)	—	+38 33 30	− 4 35 6.2	−45.19	+38 22 12	9.999434
Stará Dala[5])	113	+47 52 27.3	− 1 12 45.49	−11.95	+47 40 54.9	9.999206
Stockholm (Alte St.) M.-Kr.[6])	44	+59 20 32.7	− 1 12 13.97	−11.86	+59 10 21.4	9.998922
Stonyhurst	116	+53 50 40.0	+ 0 9 52.7	+ 1.62	+53 39 36.5	9.999056
Straßburg (N.St.). M.-Kr.[7])	144	+48 35 0.4	− 0 31 4.53	− 5.10	+48 23 29.9	9.999190
Sydney.	44	−33 51 41.1	−10 4 49.54	−99.36	−33 40 58.2	9.999551
Tacubaya[8])	2311	+19 24 17.9	+ 6 36 46.71	+65.18	+19 17 3.0	9.999997
Tartu (Dorpat, Jurjew) Mer.-Kr.	67	+58 22 47.2	− 1 46 53.19	−17.56	+58 12 25.1	9.998946
Taschkent	479	+41 19 36.7	− 4 37 10.57	−45.53	+41 8 7.1	9.999398

[1]) Vassar College. — [2]) Alte Sternwarte 2″.0 nördlich, 1s94 östlich; 65m. — [3]) Seagrave. Ladd Observatory 35″ nördlich, 1s57 östlich. — [4]) Davidson Observatory. — [5]) Früher O-Gyalla. — [6]) Neue Sternwarte seit 1931 in Saltsjöbaden. — [7]) Seit Anfang 1881. — [8]) Seit März 1883, früher in Chapultepec. — [9]) 1933 nach Castel Gandolfo verlegt.

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich — östlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Teramo (Cerulli)	398	+42 39 27	— 0 54 55.8	— 9.02	+42 27 54	9.999358
Tokio	59	+35 40 21.3	— 9 18 10.09	— 91.69	+35 29 22.9	9.999509
Toronto	116	+43 40 1.3	+ 5 17 34.67	+ 52.17	+43 28 26.5	9.999313
Tortosa (Ebro-Stw.) M.-Kr.	54	+40 49 14	— 0 1 58	— 0.32	+40 37 46	9.999382
Toulouse Mer.-Kr. . . .	195	+43 36 44.0	— 0 5 51.2	— 0.96	+43 25 9.3	9.999320
Triest	23	+45 38 45.4	— 0 55 2.90	— 9.04	+45 27 9.9	9.999256
Tsingtau (Met.-astr. Stat.).	—	+36 4 11.3	— 8 1 16.21	— 79.06	+35 53 9.8	9.999496
Tucson Arizona (Steward Obs.) .	757	+32 13 59.4	+ 7 23 47.68	+ 72.90	+32 3 32.6	9.999638
Turin Mer.-Kr.	276	+45 4 7.9	— 0 30 47.15	— 5.06	+44 52 32.2	9.999288
Turin (Pino Torinese) .	618	+45 2 16.3	— 0 31 5.95	— 5.11	+44 50 40.6	9.999312
Upsala (N. Stw.) Pass.-Instr.	21	+59 51 29.4	— 1 10 30.13	— 11.58	+59 41 24.2	9.998909
Urbana Jll.	236	+40 6 20.2	+ 5 52 53.90	+ 57.97	+39 54 55.1	9.999412
Utrecht.	12	+52 5 9.5	— 0 20 31.6	— 3.37	+51 53 54.4	9.999093
Valkenburg (Ignatius Coll.)	100	+50 52 29.3	— 0 23 19.91	— 3.83	+50 41 7.8	9.999129
Venedig	15	+45 26 10.5	— 0 49 22.12	— 8.11	+45 14 34.9	9.999261
Victoria B.C. (Dominion Obs.)	229	+48 31 15.7	+ 8 13 40.17	+ 81.18	+48 19 45.0	9.999197
Warschau[1]) Zentr. d. Stw.	121	+52 13 4.6	— 1 24 7.25	— 13.82	+52 1 50.3	9.999097
Warschau[2])	—	+52 13 10	— 1 24 4.8	— 13.81	+52 1 56	9.999088
Warschau (Techn.Hochsch.)	144	+52 13 21.0	— 1 24 2.4	— 13.81	+52 2 6.8	9.999098
Washington (Alte Stw.) .	31	+38 53 38.9	+ 5 8 12.13	+ 50.63	+38 42 19.4	9.999428
Washington (Neue Stw.).	82	+38 55 14.0	+ 5 8 15.78	+ 50.64	+38 43 54.4	9.999431
Washington (Kath. Univ.)	—	+38 56 14.8	+ 5 8 0.0	+ 50.60	+38 44 55.1	9.999425
Wellington Transit Instr.[3])	127	—41 17 3.8	—11 39 4.27	—114.84	—41 5 34.3	9.999375
West Point N. Y. (N.Stw.)[4])	170	+41 23 22.1	+ 4 55 50.6	+ 48.60	+41 11 52.3	9.999375
Wien (Alte Sternw.) . . .	167	+48 12 35.5	— 1 5 31.61	— 10.76	+48 1 3.9	9.999201
Wien (Josephstadt)[5]). . .	214	+48 12 53.8	— 1 5 25.17	— 10.74	+48 1 22.2	9.999204
Wien (Neue Sternw.) Zentr.	240	+48 13 55.3	— 1 5 21.35	— 10.73	+48 2 23.8	9.999205
Wien (Ottakring)[6]) . . .	285	+48 12 46.7	— 1 5 10.97	— 10.71	+48 1 15.1	9.999209
Wien (Mil. Geogr. Inst.) .	211	+48 12 40.5	— 1 5 26.24	— 10.75	+48 1 8.9	9.999203
Wien (Techn. Hochschule) .	198	+48 11 58.3	— 1 5 29.76	— 10.76	+48 0 26.7	9.999204
Wilhelmshaven Mer.-Kr.	9	+53 31 52.1	— 0 32 35.15	— 5.35	+53 20 46.4	9.999057
Williams-Bay Wisc.[7]) .	334	+42 34 12.6	+ 5 54 13.24	+ 58.19	+42 22 39.6	9.999356
Williamstown Mass. .	213	+42 42 49	+ 4 52 53.5	+ 48.12	+42 31 16	9.999344
Wilna Pass.-Instr. . . .	122	+54 40 59.1	— 1 41 8.76	— 16.61	+54 30 2.1	9.999036
Windsor N. S. W.[8]) . .	16	—33 36 30.8	—10 3 20.77	— 99.11	—33 25 50.2	9.999556
Wolfersdorf	279	+50 47 20.0	— 0 46 50.94	— 7.70	+50 35 58.0	9.999143
Zô-sè China	100	+31 5 47.6	— 8 4 44.75	— 79.63	+30 55 33.2	9.999619
Zürich Meridian-Kreis . .	468	+47 22 38.3	— 0 34 12.3	— 5.62	+47 11 4.8	9.999242

[1]) Universitäts-Sternwarte. — [2]) Dr. Jedrzejewicz; seit 1898, früher in Plonsk. — [3]) Dominion Observatory. — [4]) Seit 1883. Alte Sternwarte 9″ nördlich, 1ˢ2 östlich. — [5]) von Oppolzers Sternwarte. — [6]) v. Kuffner. — [7]) Yerkes Observatory. — [8]) J. Tebbutt. Neue Sternwarte, 0″4 südlich von der alten.

Normalzeiten der wichtigeren Länder

a) An den Meridian von Greenwich angeschlossen

Normalzeit = Mittl. Ortszeit des Meridians	Bezeichnung	Staaten
östl. Gr.		
h m		
11 30	—	Neu Seeland
10 0	Ostaustralische Z.	Victoria, Neu Süd-Wales, Queensland, Tasmanien
9 30	—	Süd-Australien
9 0	—	Japan, Korea
8 0	Ostchinesische Küsten-Z.	Ostküste von China, West-Australien
7 0	Südchinesische Küsten-Z.	Südküste von China, Franz. Indochina, Siam
5 30	—	Indien, Ceylon
4 0	—	Europ. Rußland*) von 40° bis 52° 30′ östl. Länge
3 0	—	Europ. Rußland*) westl. von 40° östl. Länge
2 30	—	Deutsch Ostafrika
2 0	Osteuropäische Z.	Finnland, Estland, Lettland, Bulgarien, Rumänien, Griechenland, Türkei, Palästina, Ägypten, Süd-Afrika
1 0	Mitteleuropäische Z. (M. E. Z.)	Norwegen, Schweden, Dänemark, Deutschland, Österreich, Ungarn, Schweiz, Italien, Litauen, Polen, Tchechoslovakei, Jugoslavien, Kamerun, Deutsch Südwest-Afrika
h m 0 0	Westeuropäische Z. (Greenwich Z.)	Belgien, Frankreich, Großbritannien und Irland, Luxemburg, Portugal, Spanien, Gibraltar, Algerien
westl. Gr.		
h m		
1 0	—	Island, Madeira, Kanarische Inseln
2 0	—	Azoren, Kap Verdesche Inseln
3 0	—	Ost-Brasilien, Grönland
	—	Argentinien (1. Nov.—Ende Febr.)
	—	Uruguay (Nov.—März)
3 30	—	Uruguay (April—Okt.)
4 0	Atlantic St. Time	Mittel-Brasilien, Argentinien (1. März—31. Okt.), Canada (Küste), Paraguay, Chile (1. Sept. bis 31 .März)
4 30	—	Venezuela
4 33	—	Bolivien
5 0	Eastern St. Time	Canada (Quebec, Ontario zwisch. 68° u. 90° westl.), Verein. Staat. (Ost-Zone), Chile (1. Apr.-31. Aug.) Panama, Peru, West-Brasilien, Columbien
6 0	Central St. Time	Zentral-Zone von Canada u. v. d. Verein. Staaten, Mexico, mit Ausnahme des nördl. Teiles
7 0	Mountain St. Time	Gebirgszone von Canada u. v. d. Verein. Staaten
8 0	Pacific St. Time	Vereinigte Staaten (Pacifische Küste), Britisch Columbien, nördl. Mexico
10 30	—	Hawaii (Sandwich Inseln)

*) Im Gebiet der Sowjet-Republiken sind alle Uhren 1 Stunde vorgestellt.

b) Nicht an den Meridian von Greenwich angeschlossen

Staaten	Meridian	Längendifferenz gegen Greenwich
		h m s
Ecuador	Quito	5 14 6.7 W.
Niederlande	Amsterdam	0 19 32.1 O.

Besondere Erläuterungen zu den Angaben und zum Gebrauch des Jahrbuchs.

Das Jahrbuch gibt die Örter der *Wandelsterne* in geozentrischen und in heliozentrischen Koordinaten. Die Zeitpunkte, für die sie gelten, sind in Welt-Zeit ausgedrückt, wenn nicht ausdrücklich eine andere Zeit angegeben wird. **Welt-Zeit ist identisch mit Bürgerlicher Zeit Greenwich.** Der bürgerliche Tag beginnt um Mitternacht, die Welt-Zeit-Stunden sind von 0^h bis 24^h durchgezählt. Die Beziehung zu der bis zum Jahrgang 1924 (einschließlich) im Jahrbuch verwendeten Mittleren Zeit Greenwich besteht darin, daß der astronomische mittlere Tag erst am Mittag des bürgerlichen Tages, also 12^h nach dessen Anfang beginnt. Somit ist 1925 Jan. 1, 0^h Welt-Zeit gleich 1924 Dez. 31, 12^h Mittlere Zeit Greenwich.

Die Örter der *Fixsterne* sind gegeben als »Mittlere Sternörter«, bezogen auf das mittlere Äquinoktium des Jahresanfangs, und in Ephemeridenform als »Scheinbare Sternörter«, bezogen auf das instantane wahre Äquinoktium.

Zur Erläuterung ist im einzelnen folgendes zu bemerken:

Sonnenephemeride (S. 2—29 und 100—108).

Der erste Teil der Sonnenephemeride (S. 2—19) gibt auf den linken Seiten für 0^h Welt-Zeit an jedem Tage:

1) Die Zeitgleichung = Mittlere Zeit *minus* Wahre Zeit.

2) Die geozentrischen, äquatorialen Koordinaten α, δ des scheinbaren Sonnenorts, bezogen auf das jedesmalige wahre Äquinoktium, zugleich mit der ersten Differenzenreihe. Diese Angaben sind direkt mit den Beobachtungen vergleichbar. Die Nutationsglieder kurzer Periode sind, wie im Vorwort erwähnt, in den Koordinaten nicht enthalten.

3) Die halbe Durchgangsdauer (in Sternzeit) der Sonnenscheibe durch den Meridian.

4) Den geozentrischen Halbmesser der Sonnenscheibe, d. i. der Winkel, unter dem der Sonnenhalbmesser vom Erdmittelpunkt aus erscheint.

Die rechten Seiten geben:

1) Die Julianische Zeit, d. i. die Anzahl der seit Beginn der Julianischen Periode verflossenen mittleren Sonnentage.

2) Die Sternzeit für 0^h Welt-Zeit. In ihr sind, wie im Vorwort erwähnt, nur die langperiodischen Glieder der Nutation enthalten.

Um für einen Erdort der westlichen Längendifferenz $\Delta\lambda$ (in Stunden) gegen Greenwich die Sternzeit in seiner mittleren Mitternacht zu erhalten, ist zu diesen Angaben hinzuzulegen: $9^s\!.8565\ \Delta\lambda$. Diese Werte finden sich unter der Überschrift: »Korr. der Sternzeit« im Verzeichnis der Sternwarten.

3) Die Nutation in Rektaszension getrennt nach langperiodischen und kurzperiodischen Gliedern.

4) Die geozentrischen ekliptikalen Koordinaten λ, β der Sonne, bezogen auf das mittlere Äquinoktium des Jahresanfangs, sowie log R, den Logarithmus der Entfernung R der Erde von der Sonne. Diese Angaben finden bei Bahnberechnungen u. dergl. Verwendung.

5) Die bürgerlichen Ortszeiten des Aufgangs und Untergangs der Sonne für einen Ort des Nullmeridians in $+50°$ Breite; sie sind mit der Horizontalrefraktion $34'$ berechnet und gelten für den oberen Rand der Sonne. Um daraus für einen beliebigen anderen Ort zwischen $+30°$ und $+60°$ geographischer Breite die entsprechenden Angaben zu erhalten, ist die Tabelle S. 332*, 333* zu benutzen.

Auf S. 20—28 folgen, bezogen auf das mittlere Äquinoktium des Jahresanfangs, die rechtwinkligen, geozentrischen, äquatorialen Sonnenkoordinaten für 0^h Welt-Zeit mit ihren ersten und zweiten Differenzen. Die gleichen Koordinaten, jedoch bezogen auf das Normaläquinoktium 1925.0, werden auf S. 100—108 gegeben.

Die Werte von X, Y, Z sind auf 6 Dezimalen gegeben. Die Ephemeriden bieten jedoch die Möglichkeit, die Sonnenkoordinaten auch auf 7 Dezimalen zu entnehmen. Zu diesem Zwecke füge man an die 6-stelligen Werte eine Null an und vereinige sie algebraisch mit den Werten von ΔX, ΔY, ΔZ. Ein ausführliches Beispiel hierfür ist im Jahrgang 1933, S. 362* gegeben.

Die gleichen Vorschriften gelten für die auf das Normaläquinoktium 1925.0 bezogenen Sonnenkoordinaten auf S. 100—108.

Am Fuß der Seite 28 finden sich die Zeiten für die Anfänge der Jahreszeiten und für die Erdnähe und Erdferne der Sonne.

Die Seite 29 enthält die Aberration, Parallaxe, mittlere Länge $L_\odot$ und mittlere Anomalie $M_\odot$ der Sonne im Intervall von je 10 Tagen.

Mondephemeride (S. 30—48).

Die Mondephemeride (S. 30—47) gibt auf den linken Seiten für 0^h Welt-Zeit:

1) Die scheinbare Rektaszension und Deklination des Mondmittelpunktes mit den ersten Differenzen.

2) Die Äquatorial-Horizontalparallaxe $p_{☾}$ des Mondes.

3) Den geozentrischen Mondhalbmesser $r_{☾}$, d. i. der Winkel, unter dem der Mondhalbmesser vom Erdmittelpunkt aus erscheint.

4) Die Länge und Breite des Mondes, abgekürzt auf $0^\circ\!.001$.

Die rechten Seiten enthalten:

1) Für den oberen Durchgang des Mondes durch den Meridian von Greenwich die genäherten Angaben für die Rektaszension, Deklination und Parallaxe des Mondmittelpunktes, sowie die bürgerliche Greenwicher Zeit dieses Durchgangs, nebst den Änderungen für 1^h westlicher Längendifferenz.

2) Die bürgerlichen Ortszeiten des Aufgangs und Untergangs des Mondes für einen Ort des Nullmeridians in + 50° Breite nebst Änderung für 1^h westlicher Längendifferenz; sie sind mit der Horizontalrefraktion 34′ berechnet und gelten für den oberen Rand des Mondes. Um daraus für einen beliebigen anderen Ort zwischen +30° und +60° geographischer Breite die entsprechenden Angaben zu erhalten, ist die Tabelle S. 334*, 335* zu benutzen.

Seite 48 enthält die Zeitangaben für die Phasen und die Erdnähe und Erdferne des Mondes.

Ephemeriden der Großen Planeten (S. 49—99 und 109—112).

Die geozentrischen Örter der Planeten sind für Merkur, Venus, Mars, Jupiter, Saturn von Tag zu Tag, für Uranus, Neptun und Pluto von 4 zu 4 Tagen für 0^h Welt-Zeit mit ihren ersten Differenzen gegeben. Für die Planeten Merkur bis Neptun sind scheinbare, auf das momentane wahre Äquinoktium bezogene Örter gegeben. Die Örter von Pluto sind auf das mittlere Äquinoktium 1925.0 bezogen und sind nicht wegen Aberration korrigiert. Zur bequemeren Vergleichung der Beobachtungen mit der Ephemeride sind bei diesem Planeten Fixsternaberration und Lichtzeit in besonderen Spalten angeführt. Die letzte Spalte gibt die bürgerliche Zeit (Greenwich) der oberen Kulmination in Greenwich.

Die Örter von Pluto sind nach den Elementen XIX von E. C. Bower, Lick Observatory Bulletin 437, unter Berücksichtigung der Störungen durch Jupiter, Saturn, Uranus und Neptun berechnet.

Die scheinbaren Halbmesser in der Einheit der Entfernung sind:

Merkur	3.″34	Saturn (äquat.)	81.″4
Venus	8.78	» (polar)	73.4
Mars	4.68	Uranus	34.7
Jupiter (äquat.)	99.8	Neptun	45
» (polar)	92.6		

Die heliozentrischen Ephemeriden der Planeten (S. 109—112) geben den Log. des Radiusvector, die Länge, deren Reduktion auf die Bahn und die Breite bezogen auf das mittlere Äquinoktium 1925.0.

☊ und i stellen die Bahnlage für die Epoche 1925.0 und das Normaläquinoktium 1925.0 dar.

Die Genauigkeit und Ausführlichkeit dieser heliozentrischen Angaben sind ihrem Hauptzweck, zur Berechnung der speziellen Störungen zu dienen, angepaßt.

Die beigefügten Werte der Planetenmassen sind die den Tafeln von Newcomb und von Hill zugrunde liegenden. Für die Erde ist

noch besonders zu erwähnen, daß die Masse von »Erde + Mond« gegeben ist, Radiusvector und heliozentrische Länge sich auf den Schwerpunkt des Systems »Erde + Mond« beziehen.

Mittlere Örter von 925 Fixsternen (S. 2*—25*).

Die mittleren Örter der 925 Fixsterne sind aus den Daten der Veröffentlichung Nr. 33 des *Königlichen Astronomischen Rechen-Instituts* mit den daselbst angegebenen Hilfsgrößen für Präzession und Eigenbewegung abgeleitet worden. Nur die mittleren Örter der 20 Polsterne sind durch numerische Integration berechnet. Zum Übergang auf die Örter des Dritten Fundamentalkataloges dienen die Angaben auf den Seiten 369*—380*.

Ein * vor dem Namen weist auf eine Anmerkung am Fuß der Seite hin.

Unter Gr. stehen die visuellen Größen, welche aus der »Revised Harvard Photometry« in »Harvard Annals, vol. 50« entnommen sind, sofern nichts anderes bemerkt ist. Wo für einen Stern zwei Größen gegeben sind, beziehen sich diese auf die Komponenten eines Doppelsterns. Die in den Anmerkungen gegebenen Größen für Doppelsternkomponenten und für die Extrema der Veränderlichen sind dem »Henry Draper Catalogue« entnommen.

Die Spektren sind aus dem Draper Katalog übernommen worden. Zusammengesetzte Spektren sind durch + gekennzeichnet. In anderen Fällen beziehen sich, wo 2 Spektren gegeben sind, diese auf die Komponenten eines Doppelsterns.

Scheinbare Örter von 579 Fixsternen (S. 26*—235*).

Die scheinbaren Rektaszensionen und Deklinationen der Fixsterne sind für den Moment der oberen Kulmination im Meridian von Greenwich gegeben.

Die Ephemeriden der 555 Sterne mit Deklinationen kleiner als 80°, deren scheinbare Örter von 10 zu 10 Sterntagen gegeben sind, enthalten die kurzperiodischen Mondglieder der Nutation nicht. Das Datum des Tages, an welchem zwei Kulminationen stattfinden, ist in kleinem Druck vor der Rektaszensionsspalte angeführt.

Die jährliche Parallaxe ist bei folgenden Sternen berücksichtigt, bei denen sie hinreichend verbürgt erscheint, nämlich:

Nr. 59	τ Ceti	mit	0.″315	Nr. 538	α Centauri	mit	0.″758
Nr. 127	ε Eridani	»	0.310	Nr. 667	μ Herculis	»	0.111
Nr. 257	α Can. maj.	»	0.371	Nr. 695	χ Draconis	»	0.118
Nr. 291	α Can. min.	»	0.312	Nr. 699	α Lyrae	»	0.124
Nr. 295	β Geminor.	»	0.101	Nr. 745	α Aquilae	»	0.204
Nr. 444	β Leonis	»	0.101	Nr. 793	61 Cygni pr.	»	0.300
Nr. 445	β Virginis	»	0.101	Nr. 819	δ Capricorni	»	0.114
Nr. 470	8 Can. ven.	»	0.107	Nr. 875	Br 3077	»	0.145
Nr. 492	43 Comae	»	0.133				

Von den im B. J. nicht mit Ephemeriden versehenen Sternen des NFK besitzen noch folgende hinreichend verbürgte Parallaxen: Nr. 119 e Eridani 0".161, Nr. 135 δ Eridani 0".137, Nr. 217 γ Leporis 0".149 und Nr. 825 ε Indi 0".281.

Die Ephemeriden der auf S. 2*—24* eingeklammerten Sterne findet man im Almanaque Nautico.

Es folgen die scheinbaren Örter von 20 Polsternen für jede obere Kulmination. Sie enthalten die kurzperiodischen Mondglieder nicht, jedoch sind deren Werte in besonderen Spalten gegeben.

Am Fuße der Ephemeriden ist der mittlere Ort eines jeden Sternes für den Anfang des Jahres und die Werte von sec δ und tg δ angegeben, welche bei der Reduktion der Meridianbeobachtungen nach der hierfür am zweckmäßigsten erscheinenden Besselschen Formel gebraucht werden. Ferner sind hier die Größen a, b, a', b' enthalten, mit deren Hilfe die Nutationsglieder kurzer Periode leicht berechnet werden können. Man erhält $A'a + B'b$ in Zeitsekunden, $A'a' + B'b'$ in Winkelsekunden.

Auf den Seiten 226*—235* sind die scheinbaren, rechtwinkligen Koordinaten von vier polnahen Sternen gegeben. Sie beziehen sich auf ein Koordinatensystem, dessen positive x-Achse nach dem Frühlingspunkt und dessen positive y-Achse nach dem Punkt $\alpha = 6^h$, $\delta = 0°$ gerichtet ist. Der Zusammenhang zwischen x, y und α, δ ist gegeben durch die Beziehungen: $x = \cos\delta \cos\alpha$, $y = \cos\delta \sin\alpha$. Die Angaben gelten für 12^h Sternzeit Greenwich und enthalten die kurzperiodischen Mondglieder der Nutation nicht, deren Werte jedoch in der letzten Spalte einer jeden Seite unter der Überschrift »Kurzperiod. Mondgl.« gegeben sind.

Als Quellen für die Koordinaten und Eigenbewegungen dieser vier Sterne sind benutzt worden:

für BD + 89° 1: L. Courvoisier: Beobachtungen des Sterns BD 89° 1 am großen Meridiankreis der Berliner Sternwarte. Astron. Nachr. Bd. **200**, 243,

für BD + 89° 3: L. Courvoisier: Ephemeriden der Polsterne BD 89° 3 und BD 89° 37 für 1923. Astron. Nachr. Bd. **217**, 319,

für BD + 89° 37: L. Courvoisier: Neue Position und Eigenbewegung des Polsterns BD + 89° 37. Astron. Nachr. Bd. **230**, 71,

für CPD — 89° 38: Cape Annals Bd. **XI**, II, 244 für den Ort und eine briefliche Mitteilung für die Eigenbewegung.

Mit den an diesen Stellen gegebenen Werten findet man folgende mittleren Örter für 1937.0:

Name	Gr.	x	Jährliche Veränd. 1937.5	Jährliche Eigenbew.	y	Jährliche Veränd. 1937.5	Jährliche Eigenbew.
	M	"	"	"	"	"	"
BD+89° 1	10.56	— 219.63	—20.086	—0.024	+ 79.03	—0.059	—0.008
BD+89° 3	9.06	— 19.46	—20.240	—0.003	+863.61	—0.012	—0.006
BD+89° 37	10.06	—1001.64	—19.978	—0.011	—344.58	—0.211	+0.015
CPD—89° 38	9.5	— 86.64	+20.140	+0.027	—307.48	+0.014	+0.031

Reduktionsgrößen (S. 236*—276*).

Auf die scheinbaren Örter der Sterne folgt S. 236* eine Zusammenstellung der Werte, mit welchen die Reduktionsgrößen der darauf folgenden Tafeln berechnet sind, und der Formeln für die Reduktion auf den scheinbaren Ort.

Die Größen zur »Reduktion auf den scheinbaren Ort« sind in ihrer *ersten* Form: A, B, C, D, E; A', B' gegeben für 12^h Sternzeit des Meridians von Greenwich:

1) Auf S. 237* im Intervall von 10 Sterntagen.

Diese Tafel soll zur Berechnung von Sternephemeriden für die Epochen der Meridiandurchgänge dienen. Wegen ihrer logarithmischen Form und des großen Intervalls ist die Tafel zur Interpolation nicht geeignet. Man wird deshalb zweckmäßig die Interpolation erst nach der Summierung der einzelnen unmittelbar für die Epochen der Tafel berechneten Glieder vornehmen.

2) Auf S. 256*—264* für jeden Sterntag. Hier sind die numerischen Werte von A, B, C und D mit ihren Differenzen gegeben und die kurzperiodischen Mondglieder A' und B' mit angeführt.

Beiden Tafeln ist in einer Spalte die dem festen Sternzeitmoment jedesmal entsprechende Welt-Zeit vorangestellt; man wird hiernach auf jeden beliebigen Zeitpunkt, gegeben durch Datum, Sternzeit und Längendifferenz gegen Greenwich, übergehen können. Eine weitere Spalte gibt die seit Beginn des annus fictus verflossene Zeit in Bruchteilen des tropischen Jahres.

Die Reduktionsgrößen der *zweiten* Form: f, $\log g$, G, $\log h$, H, $\log i$ und i, sowie f', g' und G' sind S. 238*—255* von Tag zu Tag für 0^h Welt-Zeit gegeben.

Auch hier findet sich eine Spalte, t überschrieben, welche die seit Beginn des annus fictus verflossene Zeit in Bruchteilen des tropischen Jahres gibt. Ferner ist die Sternzeit Greenwich für 0^h Welt-Zeit gegeben.

Die Seiten mit ungerader Seitenzahl enthalten außer den schon erwähnten f', g', G' noch folgende Größen:

a) ψ = Allgemeine Präzession seit Jahresanfang.
b) $\Delta\psi$ = Langperiodische Glieder der Nutation in Länge.
c) $\Delta\psi'$ = Kurzperiodische Glieder der Nutation in Länge.
d) ε = Wahre Schiefe der Ekliptik.
e) $\Delta\varepsilon$ = Langperiodische Glieder der Nutation in Schiefe.
f) $\Delta\varepsilon'$ = Kurzperiodische Glieder der Nutation in Schiefe.
g) Die Koeffizienten j und k, welche in den Formeln auf S. 267* vorkommen.

Die mittlere Schiefe erhält man durch Subtraktion der Gesamtnutation $(\Delta\varepsilon + \Delta\varepsilon')$ von der wahren Schiefe.

Auf S. 265* findet sich eine Tafel der Hilfsgrößen zur Berechnung der Präzession von verschiedenen mittleren Äquinoktien bis 1937.0.

S. 266* enthält eine Tafel der Hilfsgrößen zur Übertragung der Polsternörter von verschiedenen mittleren Äquinoktien auf das mittlere Äquinoktium 1937.0.

Auf S. 267* sind die Formeln zusammengestellt, mit welchen bei Anschlußbeobachtungen die gemessenen Koordinatendifferenzen der scheinbaren Örter in solche der mittleren Örter für den Jahresanfang übergeführt werden. Die in diesen Formeln auftretenden Koeffizienten j und k sind auf den Seiten 239*—255* enthalten und haben die Bedeutung

$$j = 15\, g \text{ arc } 1'$$
$$k = 15\, h \text{ arc } 1',$$

wobei g und h die auf den Seiten 238*—254* gegebenen Reduktionsgrößen sind.

S. 268* enthält eine Zusammenstellung der von der Deklination abhängenden Faktoren der Formeln auf S. 267*.

S. 269* enthält eine Tafel der numerischen Werte der Funktionen Sinus und Cosinus für in Zeit ausgedrückte Winkel. Ihre Benutzung erleichtert die Berechnung der Formeln auf S. 267*.

Die Seite 270* enthält eine Tafel zur Übertragung von Rektaszensions- und Deklinationsdifferenzen vom mittleren Äquinoktium 1937.0 auf das Normaläquinoktium 1925.0. Man findet die auf das Normaläquinoktium 1925.0 bezogene Koordinatendifferenz, indem man an die auf das mittlere Äquinoktium 1937.0 bezogene Rektaszensionsdifferenz die differentielle Präzession Δp_α^s und an die Deklinationsdifferenz die differentielle Präzession $\Delta p_\delta''$ anbringt:

$$\Delta p_\alpha^s = a_1 \operatorname{tg} \delta \cdot \Delta\alpha^m + a_2 \tfrac{1}{15} \sec^2\delta \cdot \Delta\delta',$$
$$\Delta p_\delta'' = d_1 \cdot \Delta\alpha^m.$$

Die Koeffizienten a_1, a_2 und d_1 sind in der Tafel auf S. 270* enthalten und haben die Bedeutung

$$a_1 = (n) \text{ arc } 1' \cos\alpha$$
$$a_2 = (n) \text{ arc } 1' \sin\alpha$$
$$d_1 = -15\, (n) \text{ arc } 1' \sin\alpha.$$

$\Delta\alpha^m$ und $\Delta\delta'$ sind die auf das mittlere Äquinoktium 1937.0 bezogenen Rektaszensions- und Deklinationsdifferenzen in Zeit- bez. Winkelminuten. Nach den angegebenen Formeln findet man die differentielle Präzession für Rektaszension in Zeitsekunden, diejenige für Deklination in Winkelsekunden.

Die auf den Seiten 271*—272* gegebenen Größen f, $\log g$ und G dienen zur Übertragung der Örter von dem *mittleren* Normaläquinoktium 1925.0 auf das jedesmalige *wahre* Äquinoktium. Die Berücksichtigung des Einflusses der Variatio saecularis bei dieser Übertragung ist durch die Tafel auf S. 273* gegeben. Diese enthält in der ersten Reihe einer jeden Vertikalspalte die Werte von 0.720 × Var. saec. für die mit den Argumenten α und δ gegebenen Örter. Die an zweiter Stelle stehenden Zahlen einer jeden Vertikalspalte sind die einjährigen Änderungen von 0.720 × Var. saec. und sind, wenn erforderlich, bei der Entnahme des Einflusses der Variatio saecularis für den in Frage kommenden Bruchteil des Jahres zu berücksichtigen.

Eine Tafel zur Übertragung von Sternörtern vom mittleren Äquinoktium 1937.0 auf das Normaläquinoktium 1925.0 befindet sich auf den Seiten 274*—276*.

Die hier tabulierten Größen sind gerechnet nach den Formeln:

$$A = (m) + \frac{\nu^2}{4} \sin 2a$$

$$A_1 = \nu \sin a$$

$$A_2 = \frac{\nu^2}{2} \sin 2a$$

$$D = \nu \cos a$$

$$D_1 = -\frac{\nu^2}{2} \sin^2 a,$$

wobei $\nu = \sin (n)$, $a = \alpha_{1937.0} + 90° - (N)$. Betreffs der Größen (m), (n) und $90° - (N)$ vgl. S. 266*.

Sonnen- und Mondfinsternisse (S. 278*—282*).

Die bei den Sonnenfinsternissen gegebenen Besselschen Elemente dienen in der folgenden Weise zur Vorausberechnung der Phasenzeiten und der Positionswinkel der Kontakte:

Mit einer Ausgangszeit T (siehe weiter unten) entnimmt man der Elemententabelle die Werte:

x, y, log sin d, log cos d, μ, l ($l^{(a)}$ für äußere, $l^{(i)}$ für innere Berührung), log tang f ($f^{(a)}$ für äußere, $f^{(i)}$ für innere Berührung), x' und y'.

Mit ihnen rechnet man das folgende Formelsystem durch:

$$(1) \begin{cases} \xi = c \cos \varphi \sin (\mu - \lambda) \\ \eta = s \sin \varphi \cos d - c \cos \varphi \sin d \cos (\mu - \lambda) \\ \zeta = s \sin \varphi \sin d + c \cos \varphi \cos d \cos (\mu - \lambda) \\ \xi' = [7.6398 - 10]\, c \cos \varphi \cos (\mu - \lambda) \\ \eta' = [7.6398 - 10]\, \xi \sin d, \end{cases}$$

worin φ die geographische Breite, λ die westliche Länge (von Greenwich) des Beobachtungsortes bezeichnen, s und c aus der Tafel auf S. 338* zu entnehmen sind.

Alsdann:

$$(2) \begin{cases} \left.\begin{aligned} m \sin M &= x - \xi \\ m \cos M &= y - \eta \end{aligned}\right\} m > 0 \\ \left.\begin{aligned} n \sin N &= x' - \xi' \\ n \cos N &= y' - \eta' \end{aligned}\right\} n > 0 \end{cases}$$

Nun berechnet man aus:

$$(3)\quad L = l - \zeta \text{ tang } f$$

$L^{(a)}$ mit $l^{(a)}$ und $f^{(a)}$, $L^{(i)}$ mit $l^{(i)}$ und $f^{(i)}$; dann aus:

$$(4)\quad \sin \psi = \frac{m \sin (M - N)}{L}\ ^{1)}$$

mit $L^{(a)}$ und $L^{(i)}$ je zwei Werte $\psi^{(a_1)}$, $\psi^{(a_2)}$ und $\psi^{(i_1)}$, $\psi^{(i_2)}$, von denen der eine

[1]) Wird der Winkel ψ bei der ersten Näherungsrechnung imaginär, so rechne man τ unter der Annahme $\psi = 90°$ aus $\tau = -\frac{m \cos (M - N)}{n}$; bleibt ψ auch in der weiteren Rechnung imaginär, so deutet dies an, daß an dem betreffenden Orte keine Sonnenfinsternis stattfindet.

zum Eintritt der Erde in den Halb- oder Kernschatten-Kegel, der andere zu ihrem Austritt aus ihm gehört. Diesen vier Werten $\psi^{(a_1)}$, $\psi^{(a_2)}$ und $\psi^{(i_1)}$, $\psi^{(i_2)}$ entsprechen vier Werte $\tau^{(a_1)}$, $\tau^{(a_2)}$ und $\tau^{(i_1)}$, $\tau^{(i_2)}$ (in Zeitminuten) nach

$$(5)\ \tau = -\frac{m\cos(M-N)}{n} + \frac{L\cos\psi}{n},$$

um welche die Ausgangszeit T zu verbessern ist, um die Zeit der gesuchten Phase zu erhalten. Ist T die gesuchte Phasenzeit, so wird $\tau = 0$ werden. Man muß daher das Formelsystem (1) bis (5) mit steigenden Näherungen solange durchrechnen, bis dieser Fall eintritt, d. h. bis das Formelsystem sich schließt. Zu diesem Zweck beginnt man mit einem Näherungswert T_1, für den man, wenn kein besserer bekannt sein sollte, eine beliebige Zeit nahe der Mitte der Finsternis nehmen mag, und rechnet die erste genäherte Korrektion τ_1; dann wiederholt man die Rechnung mit $T_2 = T_1 + \tau_1$, dann mit $T_3 = T_2 + \tau_2 = T_1 + \tau_1 + \tau_2$ usf. bis $\tau_n = 0$ sich ergibt. T_n ist dann die gesuchte Welt-Zeit des Kontaktes, die durch Hinzufügung der Längendifferenz in mittlere Ortszeit zu verwandeln ist. Die Rechnung ist für jede Berührung gesondert durchzuführen.

Die Positionswinkel der einzelnen Phasen, in üblicher Weise vom Punkt größter Deklination nach Osten gezählt, folgen aus den Werten der letzten Näherung (Größen mit dem Index n) nach

$$P = N + \psi.$$

Will man den Winkelabstand Q vom Punkte der größten Höhe haben, so hat man von P noch den parallaktischen Winkel γ abzuziehen, der aus

$$\left.\begin{aligned} p\sin\gamma &= \xi \\ p\cos\gamma &= \eta \end{aligned}\right\}\ p > 0$$

folgt, also

$$Q = P - \gamma.$$

Um die Zeit der größten Phase, $T_{\max}$, zu erhalten, hat man die beiden Formelsysteme (1) und (2) mit einem Näherungswerte $\overline{T}_1$ durchzurechnen, daraus $\overline{T}_2 = \overline{T}_1 - \frac{m\cos(M-N)}{n}$ zu entnehmen und die Rechnung solange fortzusetzen, bis die Korrektion der Ausgangszeit 0 wird. Als Näherungswert $\overline{T}_1$ wählt man zweckmäßig das Mittel der beiden Werte von T_2 für die Berührungszeiten.

Die Größe der Verfinsterung i, in Teilen des Sonnendurchmessers ausgedrückt, ergibt sich dann aus:

$$i = \frac{L^{(a)} - m}{2\,L^{(a)} - 0.5450}$$

worin $L^{(a)}$ und m die zur Zeit $T_{\max}$ gehörigen Werte bedeuten.

Merkurdurchgang (S. 283*).

Bei der Berechnung des Merkurdurchganges wurde eine Korrektion von $+1''.47$ an die mittlere Länge der Sonne angebracht.

Sternbedeckungen (S. 284*—292*).

Auf S. 284* und 285* sind die mittleren Örter der Sterne angeführt, welche im Jahre 1937 in Mitteleuropa vom Monde bedeckt werden.

Die Seiten 286*—287* enthalten die Elemente von Stern- und Planetenbedeckungen durch den Mond, welche in dem Gebiet zwischen den Meridianen 0^h und 2^h östliche Länge von Greenwich und den Breitenkreisen $+45°$ und $+55°$ sichtbar sind.

Mit den in der Zusammenstellung der Elemente gegebenen Werten geschieht die Berechnung der Berührungszeiten eines Sternes mit dem Mondrand für einen Ort mit den geographischen Koordinaten φ und λ (λ positiv, wenn der Beobachtungsort westlich von Greenwich liegt) auf folgende Weise:

Aus der auf den Seiten 286*—287* enthaltenen Welt-Zeit T der geozentrischen Konjunktion von Mond und Stern findet man einen ausreichenden Näherungswert $T + t$ der Welt-Zeit der topozentrischen Konjunktion durch Berechnung der Größen:

$$h_0 = H - \lambda$$

$$\xi_0 = c \cos\varphi \sin h_0 \quad (c \text{ und später } s \text{ aus der Tafel auf S. 338*})$$

$$\xi' = [9.4192 - 10]\; c \cos\varphi \cos\tfrac{4}{3} h_0$$

$$t = \frac{\xi_0}{x' - \xi'}$$

t ergibt sich in Stunden mittlerer Zeit. Das Vorzeichen entspricht dem von h_0.

Für die Zeit $T + t$ berechne man die folgenden Größen, in denen $t_0 = 1.0027\, t$ ist.

$$\xi = c \cos\varphi \sin(h_0 + t_0)$$

$$\eta = s \sin\varphi \cos\delta - c \cos\varphi \sin\delta \cos(h_0 + t_0) = \eta_1 - \eta_2$$

$$\xi' = [9.4192 - 10]\; c \cos\varphi \cos(h_0 + t_0)$$

$$\eta' = [9.4192 - 10]\; \xi \sin\delta$$

$$x = x'\, t$$

$$y = Y + y'\, t.$$

Aus den Beziehungen:

$$\left.\begin{aligned} m \sin M &= x - \xi \\ m \cos M &= y - \eta \end{aligned}\right\} m > 0$$

$$\left.\begin{aligned} n \sin N &= x' - \xi' \\ n \cos N &= y' - \eta' \end{aligned}\right\} n > 0$$

$$\sin\psi = [0.5646]\; m \sin(M - N),$$

ψ zwischen $+90°$ und $-90°$, berechne man

$$\tau = -\frac{[1.7782]\, m}{n} \cos(M - N) \mp \frac{[1.2135]}{n} \cos\psi$$

$$d\tau = \frac{[6.7591 - 10]\,\tau^2}{n \cos\psi} [\eta_2 \cos(N \mp \psi) - \xi \sin(N \mp \psi)],$$

wobei die oberen Vorzeichen für den Eintritt, die unteren für den Austritt gelten. Die eingeklammerten Zahlen bedeuten Logarithmen. τ und $d\tau$ ergeben sich in Zeitminuten. Werden die für den Eintritt geltenden Werte mit τ' und $d\tau'$ bezeichnet, die für den Austritt geltenden mit τ'' und $d\tau''$, so ist die Welt-Zeit des

$$\text{Eintritts} = T + t + \tau' + d\tau'$$

$$\text{Austritts} = T + t + \tau'' + d\tau''.$$

Als Kontrolle berechne man die Werte von x, y, ξ, η für die so gefundenen Berührungszeiten. Sind diese richtig, so muß die Beziehung erfüllt sein:

$$\sqrt{(x - \xi)^2 + (y - \eta)^2} = 0.2725.$$

Ist $m \sin(M - N) > 0.2725$, so tritt für den betreffenden Beobachtungsort keine Bedeckung des Sternes ein.

Die Positionswinkel des Sternes in bezug auf den Mondmittelpunkt für die Zeiten des Ein- und Austritts folgen aus

$$P_E = N - \psi - dP \text{ für den Eintritt,}$$
$$P_A = N + \psi + dP \pm 180^\circ \text{ für den Austritt,}$$

wobei die Winkel $N - \psi$ und $N + \psi$ aus der Rechnung für $d\tau$ entnommen werden können, und dP in Graden ausgedrückt aus

$$dP = \frac{[7.3038 - 10]\, \tau^2}{\cos \psi} (\eta_2 \sin N + \xi \cos N)$$

folgt.

Auf den Seiten 288*—292* sind Angaben über die Sternbedeckungen enthalten, die in Berlin-Babelsberg, Königsberg und München sichtbar sind. Außer der genäherten Welt-Zeit des Ein- und Austrittes ist unter P der Positionswinkel des Sterns für die Zeiten der Berührung mit dem Mondrande angeführt.

Die Größen a und b dienen zur Berechnung der genäherten Ein- und Austrittszeiten für andere als die drei angeführten Orte. Sind λ_0 und φ_0 die geographischen Längen und Breiten von Berlin-Babelsberg, Königsberg oder München, λ und φ die Koordinaten irgendeines anderen Ortes innerhalb Deutschlands, so wird für diesen letzteren die Zeit der Berührung des Sterns mit dem Mondrande, wenn man z. B. von den für Berlin-Babelsberg geltenden Angaben ausgeht, gleich der Zeit der Berührung für Berlin-Babelsberg $+ a(\lambda - \lambda_0) + b(\varphi - \varphi_0)$, wobei $\lambda - \lambda_0$ und $\varphi - \varphi_0$ in Einheiten des Grades unter Mitnahme der Zehntelgrade zu verwenden sind, und die Korrektion $a(\lambda - \lambda_0) + b(\varphi - \varphi_0)$ sich in Zeitminuten ergibt.

Alle Angaben über Sternbedeckungen, insbesondere die Vorausberechnungen für Berlin-Babelsberg, Königsberg und München, sind von dem Nautical Almanac Office, London, zur Verfügung gestellt worden.

Mondbewegung und Lage des Mondäquators gegen den Erdäquator (S. 293*).

Auf S. 293* finden sich:

- ☊, Aufsteigender Knoten der Mondbahn auf der Ekliptik,
- $L_☾$, Mittlere Länge des Mondes,
- $M_☾$, Mittlere Anomalie des Mondes,
- i, Neigung des Mondäquators gegen den Erdäquator,
- ☊′, Aufsteigender Knoten des Mondäquators auf dem Erdäquator,
- Δ, Stück des Mondäquators zwischen Ekliptik und Erdäquator,

☋, der aufsteigende Knoten des Mondäquators auf der Ekliptik, ist gleich dem absteigenden Knoten der Mondbahn, also

$$☋ = ☊ \pm 180^\circ.$$

Vom Jahrgang 1926 ab sind die Brownschen Mondtafeln verwendet. Die Größen i, Δ und Ω' berechnen sich aus:

$$\sin\frac{1}{2}(\Delta+\Omega')\cos\frac{1}{2}i = \cos\frac{1}{2}(\varepsilon-J)\sin\frac{1}{2}\mho$$

$$\cos\frac{1}{2}(\Delta+\Omega')\cos\frac{1}{2}i = \cos\frac{1}{2}(\varepsilon+J)\cos\frac{1}{2}\mho$$

$$\sin\frac{1}{2}(\Delta-\Omega')\sin\frac{1}{2}i = \sin\frac{1}{2}(\varepsilon-J)\sin\frac{1}{2}\mho$$

$$\cos\frac{1}{2}(\Delta-\Omega')\sin\frac{1}{2}i = \sin\frac{1}{2}(\varepsilon+J)\cos\frac{1}{2}\mho;$$

dabei ist J, die Neigung des Mondäquators gegen die Ekliptik, nach F. Hayn (Astr. Nachr. Bd. **199**, S. 263) zu $J = 1° 32' 20''$ angenommen worden. Die Zahlen geben die Lage des mittleren Mondäquators (ohne physische Libration).

Die auf S. 293* gemachten Angaben über die Elemente der Mondbahn und des Mondäquators werden, teilweise in Verbindung mit den Größen $L_\odot$ und $M_\odot$ auf S. 29, zu verschiedenen Zwecken verwendet:

1) Als Argumente für die Berechnung der Reduktionsgrößen A, B, C, D, E, A', B'.

2) Bei Bestimmung der selenographischen Koordinaten von Punkten der Mondoberfläche (siehe darüber den folgenden Abschnitt).

3) Bei Berechnung der *optischen* und *physischen* Libration des Mondes.

a) Für die Berechnung der *optischen* Libration des Mondes sind alle nötigen Angaben in den Erläuterungen zu den Hilfstafeln unter Nr. 8 (S. 367*) gemacht.

b) Die Beträge der *physischen* Mondlibration in selenographischer Länge, der Neigung des Mondäquators und seinem aufsteigenden Knoten auf der Ekliptik τ, ρ, σ haben die Werte:

$$\tau = -\ 13''\sin M_☾ + 65''\sin M_\odot + 26''\sin 2(L_☾ - M_☾ - \Omega)$$

$$\rho = -106''\cos M_☾ + 34''\cos(2L_☾ - M_☾ - 2\Omega) - 11''\cos 2(L_☾ - \Omega)$$

$$\sigma\sin J = -108''\sin M_☾ + 34''\sin(2L_☾ - M_☾ - 2\Omega) - 11''\sin 2(L_☾ - \Omega)$$

Diese Zahlenangaben beruhen auf der Annahme $f = 0.73$, worüber F. Hayn (Astr. Nachr. Bd. **199**, S. 264) einzusehen ist.

Ephemeride für den Mondkrater Mösting A.

(S. 294*—298*).

Die Ephemeride des Mondkraters Mösting A. dient zwei verschiedenen Zwecken: erstens zur genauen Bestimmung von Mondörtern am Himmel durch Beobachtung des Kraters, zweitens zur Bestimmung der selenographischen Koordinaten weiterer Punkte der Mondoberfläche durch deren mikrometrischen Anschluß an Mösting A.

Sie gilt für 0^h Welt-Zeit und enthält für die Tage, an welchen Mösting A. innerhalb der Beleuchtungsgrenze liegt, die Unterschiede $\alpha_☾ - \alpha_k$ in Rektaszension und $\delta_☾ - \delta_k$ in Deklination zwischen der Mond-

mitte und dem Krater, vom Erdmittelpunkt aus gesehen, sowie den Logarithmus des Sinus der Äquatorial-Horizontalparallaxe p_k des Kraters, welche von der des Mondes $p_☾$ zu unterscheiden ist, mit den zugehörigen Differenzen.

Zur Anwendung der Ephemeride auf Beobachtungen des Kraters interpoliere man $\alpha_☾ - \alpha_k$, $\delta_☾ - \delta_k$ und log sin p_k mit der Beobachtungszeit. Fügt man alsdann $\alpha_☾ - \alpha_k$ und $\delta_☾ - \delta_k$ zum geozentrischen Ort des Kraters (die Parallaxe wird mit p_k und δ_k, der Deklination des Kraters, berechnet), so hat man die geozentrische Rektaszension und Deklination des Mondes für die Beobachtungszeit.

Hat man einen Punkt der Mondoberfläche mikrometrisch an Mösting A. angeschlossen, so bestimme man zunächst die topozentrischen, d. h. mit Parallaxe behafteten Koordinatendifferenzen $\alpha'_☾ - \alpha'_k$ und $\delta'_☾ - \delta'_k$ zwischen Mondmittelpunkt und Mösting A. aus folgenden Identitäten:

$$\alpha'_☾ - \alpha'_k = \alpha_☾ - \alpha_k + (\alpha'_☾ - \alpha_☾) - (\alpha'_k - \alpha_k)$$
$$\delta'_☾ - \delta'_k = \delta_☾ - \delta_k + (\delta'_☾ - \delta_☾) - (\delta'_k - \delta_k).$$

Verbindet man die so erhaltenen topozentrischen Abstände zwischen der Mondmitte und Mösting A. mit den mikrometrischen Messungen zwischen Mösting A. und einem zweiten Krater, so erhält man die topozentrische Lage des letzteren gegen die Mondmitte und kann hieraus mit Hilfe von $\alpha'_☾$ und $\delta'_☾$ und den Angaben auf S. 293* die selenographische Länge und Breite des zweiten Kraters berechnen. Hierzu dienen die im folgenden angeführten Formeln.

Bezeichnet man mit α' und δ' die topozentrische AR. und Dekl. des an Mösting A. angeschlossenen Kraters, so hat man:

$$s \sin \pi_m = (\alpha' - \alpha'_☾) \cos \frac{1}{2} (\delta' + \delta'_☾)$$
$$s \cos \pi_m = \delta' - \delta'_☾$$
$$\pi = \pi_m - \frac{1}{2} (\alpha' - \alpha'_☾) \sin \frac{1}{2} (\delta' + \delta'_☾)$$
$$\sin (K + s) = \sin s \operatorname{cosec} h'.$$

h' ist der Abstand des Kraters vom Mondschwerpunkt, gesehen vom Beobachtungsort aus, der aus h, dem vom Erdmittelpunkt aus gesehenen Abstand, durch Anbringen der Parallaxe gewonnen wird. Ist die Entfernung des Kraters vom Mondschwerpunkt gänzlich unbekannt, so möge für h der aus Sternbedeckungen folgende Wert des Mondhalbmessers 15′ 32″.59 (nach J. Peters, Astr. Nachr. Bd. **138**, S. 147) eingesetzt werden.

$$\sin d = -\sin \delta'_☾ \cos K + \cos \delta'_☾ \sin K \cos \pi$$
$$\cos d \cos (a - \alpha'_☾) = -\cos \delta'_☾ \cos K - \sin \delta'_☾ \sin K \cos \pi$$
$$\cos d \sin (a - \alpha'_☾) = \sin K \sin \pi$$
$$\sin \beta = \sin d \cos i - \cos d \sin i \sin (a - ☊')$$
$$\cos \beta \sin \lambda' = \sin d \sin i + \cos d \cos i \sin (a - ☊')$$
$$\cos \beta \cos \lambda' = \cos d \cos (a - ☊')$$
$$\lambda = \lambda' - 180° - L_☾ - (\Delta - ☋).$$

Die so erhaltenen Werte von λ und β beziehen sich auf den mittleren (vom Einfluß der physischen Libration freien) Mondäquator; die Transformation auf den wahren erfolgt durch die Korrektionen:

$$\begin{aligned} d\lambda = & + 13'' \sin M_{☾} - 65'' \sin M_{\odot} - 26'' \sin 2\,(L_{☾} - M_{☾} - \Omega) \\ & + \operatorname{tg}\beta\,[-106'' \cos (L_{☾} - M_{☾} - \Omega + \lambda) \\ & + 34'' \cos (L_{☾} - M_{☾} - \Omega - \lambda) - 11'' \cos (L_{☾} - \Omega - \lambda)] \\ d\beta = & + 108'' \sin (L_{☾} - M_{☾} - \Omega + \lambda) + 34'' \sin (L_{☾} - M_{☾} - \Omega - \lambda) \\ & - 11'' \sin (L_{☾} - \Omega - \lambda) \end{aligned}$$

Bringt man diese Korrektionen $d\lambda$ und $d\beta$ an λ und β an, so erhält man die selenographischen Koordinaten des Kraters:

$$\lambda_0 = \lambda + d\lambda, \qquad \beta_0 = \beta + d\beta$$

Der Berechnung der Ephemeride des Kraters Mösting A. liegen folgende von F. Hayn ermittelten Konstanten (Astr. Nachr. Bd. **199,** S. 263) zugrunde:

$$\lambda_0 = -5^\circ\ 10'\ 7'', \quad \beta_0 = -3^\circ\ 11'\ 2''$$
$$h = 15'\ 33''.4$$

Für die Reduktion auf den mittleren Mondäquator wurden die Werte angenommen:

$$\begin{aligned} d\lambda = & - 13'' \sin M_{☾} + 65'' \sin M_{\odot} + 26'' \sin 2\,(L_{☾} - M_{☾} - \Omega) \\ d\beta = & - 107'' \sin (L_{☾} - M_{☾} - \Omega + \lambda_0) - 34'' \sin (L_{☾} - M_{☾} - \Omega - \lambda_0) \\ & + 11'' \sin (L_{☾} - \Omega - \lambda_0), \end{aligned}$$

so daß die auf den mittleren Mondäquator bezogenen selenographischen Koordinaten des Kraters Mösting A. sind:

$$\lambda = \lambda_0 + d\lambda, \qquad \beta = \beta_0 + d\beta.$$

Die Formeln zur Berechnung der Ephemeride siehe in den Erläuterungen zum Jahrbuch 1916.

Jupitertrabanten (S. 299*—300*).

Die Seiten 299* und 300* enthalten die Zeitangaben (in Welt-Zeit) für die Verfinsterungen der vier hellen Jupitertrabanten in dem Schattenkegel des Jupiter; Ein- und Austritte sind durch beigefügtes E. und A. unterschieden.

Saturnsring (S. 301*—302*, 304*).

Die Angaben für die scheinbare Größe des Saturn und für die Lage und Größe des Saturnsringes haben die folgende Bedeutung:

α Große Achse des Saturn.

β Kleine Achse des Saturn.

p_α Phase; positiv, wenn der Ostrand, negativ, wenn der Westrand verdunkelt ist.

a Große Achse der Ringellipse.

b Kleine Achse der Ringellipse; positiv, wenn die nördliche, negativ, wenn die südliche Fläche des Ringes sichtbar ist.

U′ Heliozentrische Länge des Saturn, gezählt auf der Ringebene vom aufsteigenden Knoten des Ringes in der Ekliptik an.

B′ Erhöhungswinkel der Sonne über der Ringebene vom Saturn aus gesehen; nördlich positiv, südlich negativ.

P′ Winkel der kleinen Achse der Ringellipse mit dem durch den Saturnsmittelpunkt gehenden Längenkreise; östlich positiv, westlich negativ.

U Geozentrische Länge des Saturn, gezählt auf der Ringebene vom aufsteigenden Knoten des Ringes im Erdäquator an.

B Erhöhungswinkel der Erde über der Ringebene vom Saturn aus gesehen; nördlich positiv, südlich negativ.

P Winkel der kleinen Achse der Ringellipse mit dem durch den Saturnsmittelpunkt gehenden Stundenkreise; östlich positiv, westlich negativ.

N Aufsteigender Knoten der Ringebene im Erdäquator, gezählt vom Äquinoktium an.

J Neigung der Ringebene gegen den Erdäquator.

ω Entfernung der Ekliptik vom Erdäquator, gemessen auf der Ringebene.

Es liegen folgende Bestimmungen nach H. Struve zugrunde:
Durchmesser des Saturn in der Entfernung 9.53887
Äquatorial 17″.47 Polar 15″.65
Durchmesser des Ringes in der Entfernung 9.53887

$$2\,R = 39''.35$$

Lage des Saturnsringes gegen die Ekliptik und das Äquinoktium von 1889.25 nach G. Struve

$$\Omega_1 = 167^\circ\ 58'.08 \quad \text{und} \quad i_1 = 28^\circ\ 4'.55$$

Saturnstrabanten (S. 303*—312*).

Die Berechnungen der Saturnstrabanten Mimas bis Rhea sind mit den von G. Struve in den Veröffentlichungen der Universitätssternwarte Berlin-Babelsberg, Bd. VI, Heft 4 abgeleiteten Elementen durchgeführt worden. Für Titan und Japetus sind die von H. Struve in den Publications de l'Observatoire Central Nicolas, Serie II, Bd. XI angegebenen Elemente benutzt worden, und für Hyperion haben die von J. Woltjer in den Annalen der Sternwarte Leiden, Bd. 16, Teil 3 bestimmten Elemente als Grundlage gedient.

Die den Ephemeriden zugrunde liegenden Elemente sind:

MIMAS (Berlin-Bbg. VI, Heft 4)
Epoche: 1889 April 0.0 Mittl. Zt. Grw.

$E_0 = 127^\circ\ 5'.5$
$n = 381^\circ.994442$
$\delta l = -44^\circ.390 \sin [5^\circ.0864 (\tau - 1866.27)]$
$\quad - 0^\circ.764 \sin 3 [5^\circ.0864 (\tau - 1866.27)]$
$l_1 = E_0 + nt_d + \delta l$
$\Theta = 56^\circ.1 - 365^\circ.23\, t$
$\gamma = 1^\circ\ 31'.0$
$\Pi_1 = 105^\circ.0 + 365^\circ.60\, t$
$e = 0.0201$
$a = 26''.826$

ENCELADUS (Berlin-Bbg. VI, Heft 4)
Epoche: 1889 April 0.0 Mittl. Zt. Grw.

$E_0 = 199^\circ\ 25'.8$
$n = 262^\circ.7319405$
$\delta l = +14'.39 \sin (\ 63^\circ.75 + 32^\circ.51\, t)$
$\quad + 14'.06 \sin (117^\circ.28 + 93^\circ.14\, t)$
$l_1 = E_0 + nt_d + \delta l$
$\Theta = 51^\circ.81 - 152^\circ.7\, t$
$\gamma = 1'.4$
$\Pi_1 = 308^\circ.38 + 123^\circ.43\, t$
$e = 0.00444$
$a = 34''.416$

TETHYS (Berlin-Bbg. VI, Heft 4)
Epoche: 1889 April 0.0 Mittl. Zt. Grw.

$E_0 = 284^\circ\ 28'.3$
$n = 190^\circ.697950$
$\delta l = +2^\circ.065 \sin [5^\circ.0864 (\tau - 1866.27)]$
$\quad + 0^\circ.036 \sin 3 [5^\circ.0864 (\tau - 1866.27)]$
$l_1 = E_0 + nt_d + \delta l$
$\Theta = 110^\circ.39 - 72^\circ.25\, t$
$\gamma = 1^\circ\ 5'.56$
$e = 0.0000$
$a = 42''.605$

DIONE (Berlin-Bbg. VI, Heft 4)
Epoche: 1889 April 0.0 Mittl. Zt. Grw.

$E_0 = 253^\circ\ 52'.0$
$n = 131^\circ.5349729$
$\delta l = -0'.93 \sin (\ 63^\circ.75 + 32^\circ.51\, t)$
$\quad - 0'.91 \sin (117^\circ.28 + 93^\circ.14\, t)$
$l_1 = E_0 + nt_d + \delta l$

$$\Theta = 201^\circ\!.0 - 31^\circ\!.0\, t$$
$$\gamma = 1'\!.4$$
$$\Pi_1 = 173^\circ\!.4 + 30^\circ\!.75\, t$$
$$e = 0.00221$$
$$a = 54''\!.567$$

RHEA (Berlin-Bbg. VI, Heft 4)
Epoche: 1889 April 0.0 Mittl. Zt. Grw.

$$E_0 = 358^\circ\ 23'\!.7$$
$$n = 79^\circ\!.6900881$$
$$l = E_0 + nt_d$$
$$(\Omega - \Omega_1) \sin i_1 = 20'\!.49 \sin (344^\circ\!.09 - 10^\circ\!.20 t) - 0'\!.38 + 1'\!.00 \sin (48^\circ\!.5 - 0^\circ\!.50 t)$$
$$i - i_1 = 20'\!.49 \cos (344^\circ\!.09 - 10^\circ\!.20 t) - 2'\!.79 + 1'\!.00 \cos (48^\circ\!.5 - 0^\circ\!.50 t)$$
$$\Pi = 275^\circ\!.85 + 0^\circ\!.53\, t + 17^\circ\!.64 \sin [9^\circ\!.5\, (\tau - 1879.59)]$$
$$e = 0.00098 + 0.00030 \cos [9^\circ\!.5\, (\tau - 1879.59)]$$
$$a = 76''\!.203$$

Ω_1 und i_1 bezeichnen die Lage des Saturnsringes.

TITAN (Publ. Obs. Pulkowa, Ser. II, Vol. XI, S. 172)
Epoche: 1890 Jan. 0.0 Mittl. Zt. Grw.

$$E_0 = 260^\circ\ 25'\!.1$$
$$n = 22^\circ\!.577009$$
$$E - E_0 = +\, 4'\!.05 \sin (47^\circ\!.8 - 0^\circ\!.51\, t)$$
$$l = E_0 + nt_d + (E - E_0)$$
$$\Omega = 167^\circ\ 51'\!.2 + 35'\!.84 \sin (47^\circ\!.8 - 0^\circ\!.506\, t) + 0'\!.837\, t$$
$$i = 27^\circ\ 28'\!.4 + 16'\!.88 \cos (47^\circ\!.8 - 0^\circ\!.506\, t)$$
$$\Pi = 276^\circ\ 15' + 31'\!.7\, t + 22'\!.0\, (\sin 2g - \sin 2g_0)$$
$$e = 0.02886 + 0.000186\, (\cos 2g_0 - \cos 2g)$$
$$g = \Pi - \Omega - 4^\circ\!.5$$
$$g_0 = g \text{ für } t = 0$$
$$a = 176''\!.578$$

HYPERION (J. Woltjer, Ann. Sternwarte Leiden Bd. XVI, 3, S. 64)
Anfangsepoche für t_d: 1900 Januar 0.0 Mittl. Zt. Grw.
„ „ t : 1900.0

Argumente: $\sigma = 93^\circ\!.13 + 0^\circ\!.562039\, t_d$ $\quad \tilde\omega = 148^\circ\!.72 - 19^\circ\!.184\, t$

$$n = 16^\circ\!.9199896$$
$$l = 176^\circ\!.293 + 16^\circ\!.9199896\, t_d + 9^\circ\!.092 \sin \sigma + 0^\circ\!.211 \sin (\tilde\omega + \sigma) + 0^\circ\!.192 \sin (\tilde\omega - \sigma) - 0^\circ\!.077 \sin \tilde\omega$$
$$\Pi = 70^\circ\!.05 - 18^\circ\!.6562\, t - 13^\circ\!.67 \sin \tilde\omega + 0^\circ\!.93 \sin 2\tilde\omega - 0^\circ\!.47 \sin \sigma$$
$$e = 0.10419 + 0.02414 \cos \tilde\omega - 0.00401 \cos \sigma - 0.00183 \cos 2\tilde\omega$$
$$a = 214''\!.32 - 0''\!.74 \cos \sigma$$

$$\gamma \sin h = -0^\circ\!.061 + 0^\circ\!.574 \sin[-2^\circ\!.392\, t + 95^\circ\!.9\,] + 0^\circ\!.315 \sin[-0^\circ\!.500\, t + 42^\circ\!.78]$$
$$\gamma \cos h = -0^\circ\!.747 + 0^\circ\!.574 \cos[-2^\circ\!.392\, t + 95^\circ\!.9\,] + 0^\circ\!.315 \cos[-0^\circ\!.500\, t + 42^\circ\!.78]$$

γ = Neigung der Bahnebene gegen den Saturnsäquator,
h = Länge des aufsteigenden Knotens auf dem Saturnsäquator, gezählt vom aufsteigenden Knoten des Saturnsäquators auf der Ekliptik.

JAPETUS (Suppl. I. Obs. Pulkowa, S. 87; Publ. Obs. Pulkowa, Ser. II, Vol. XI, S. 139)

Epoche: 1885 Sept. 1.0 Mittl. Zt. Grw.

$E_0 = 75^\circ\ 26'\!.4$ — $i = 18^\circ\ 28'\!.3 - 0'\!.54\, t$

$n = 4^\circ\!.537997$ — $\Pi = 354^\circ\ 30' + 7'\!.9\, t$

$l = E_0 + n t_d$ — $e = 0.02836 + 0.000015\, t$

$\Omega = 142^\circ\ 12'\!.4 - 1'\!.48\, t$ — $a = 514''\!.59$

Hierin bedeuten:

l_1, l = Mittlere Länge in der Bahn
n = Tropische mittlere tägliche Bewegung
δl = Libration
τ = Epoche
t_d = Anzahl der Tage seit der Anfangsepoche
t = Anzahl der Jahre seit der Anfangsepoche
Θ = Knoten auf dem Saturnsäquator
Ω = Knoten auf der Ekliptik
γ = Neigung der Trabantenbahn gegen den Saturnsäquator
i = Neigung der Trabantenbahn gegen die Ekliptik
Π_1, Π = Perisaturnium
e = Exzentrizität
a = Halbachse der Trabantenbahn in der mittleren Entfernung $(\Delta) = 9.53887$

l_1, Π_1 und Θ werden gezählt vom Äquinoktium aus in der Ekliptik, weiter im Saturnsäquator und dann erst in der Trabantenbahn, l und Π vom Äquinoktium aus in der Ekliptik und weiter in der Trabantenbahn.

Auf den Seiten 303*—305* sind die Hilfsmittel gegeben, um in bequemer Weise die Positionen der Trabanten ableiten zu können. Sieht man hierbei von den Neigungen γ ab, so erhält man die rechtwinkligen Koordinaten x und y des Trabanten in bezug auf ein Achsenkreuz, dessen Anfangspunkt im Mittelpunkt des Saturn gelegen ist, dessen X-Achse parallel der großen Achse des Ringes verläuft, positiv, wenn östlich, negativ, wenn westlich vom Saturn, und dessen positive Y-Achse mit dem durch den Saturnsmittelpunkt gehenden Stundenkreise den Winkel P einschließt, aus den Gleichungen:

$$x = \frac{a(\Delta)}{\Delta}\ \frac{1}{1+\zeta}\ \frac{r}{a} \sin(u-U)$$
$$y = \frac{a(\Delta)}{\Delta}\ \frac{1}{1+\zeta}\ \frac{r}{a} \sin B \cos(u-U).$$

$(\Delta) = 9.53887$ bezeichnet den mittleren Wert der Entfernung Sonne—Saturn, Δ ist die Entfernung Erde—Saturn, $u = L + (v - M)$ ist die wahre Länge des Trabanten vom Erdäquator an gezählt.

$\log \frac{1}{1+\zeta}$ ist auf Seite 304* enthalten.

Ist genaueste Ortsbestimmung erforderlich, so darf man bei Mimas, Tethys und Rhea die Neigungen gegen den Saturnsäquator, da sie schon merklichere Werte annehmen, nicht mehr vernachlässigen; x und y ergeben sich dann aus:

$$x = \frac{a(\Delta)}{\Delta} \frac{1}{1+\zeta} \frac{r}{a} \sin(u - U)$$

$$y = \frac{a(\Delta)}{\Delta} \frac{1}{1+\zeta} \frac{r}{a} \sin B [\cos(u - U) + \sin\gamma \operatorname{cotg} B \sin(u - \vartheta)].$$

Die Werte von ϑ, der Länge des aufsteigenden Knotens der Trabantenbahn auf dem Saturnsäquator, gezählt vom Schnittpunkte des Saturnsäquators mit dem Erdäquator, finden sich für die fünf inneren Trabanten auf Seite 304*; auch ist hier für Rhea γ, weil stärker mit der Zeit veränderlich, in Intervallen von 16 Tagen gegeben.

Will man aus x und y die Rektaszensions- und Deklinationsdifferenzen bestimmen, so dienen dazu die Gleichungen:

$$s \sin(p - P) = x$$
$$s \cos(p - P) = y$$

$$\Delta\alpha = \alpha_{tr} - \alpha_{pl} = \frac{1}{15} s \sin p \sec \delta_{tr}$$
$$\Delta\delta = \delta_{tr} - \delta_{pl} = s \cos p.$$

Auf den Seiten 305*—307* finden sich, außer den Hilfsgrößen U, B und P, für die Trabanten Titan, Hyperion und Japetus die genäherten Rektaszensions- und Deklinationsunterschiede gegen den Saturn in dem Sinne Trabant minus Planet für die beiden letzteren Trabanten.

Die aus den Angaben des Berliner Jahrbuchs ermittelten Trabantenörter sind auf das mittlere Äquinoktium der Epoche bezogen.

Zum Schluß enthalten die Seiten 308*—312* die Zeitangaben (in Welt-Zeit) für die östlichen Elongationen von Mimas, Enceladus, Tethys, Dione, Rhea, ferner für die östlichen und westlichen Elongationen ($u - U = \pm 90°$) und für die oberen und unteren Konjunktionen ($u - U = 0°, 180°$) von Titan, Hyperion und Japetus mit Saturn; diese Zeitangaben für die Elongationen und Konjunktionen sind bereits für Lichtzeit korrigiert, also ohne weiteres mit den Beobachtungen vergleichbar.

Konstellationen (S. 313*—314*).

In der Übersicht der Konstellationen des Jahres 1937 sind die hauptsächlichsten Planeten-Konstellationen gegeneinander und gegen Sonne und Mond, sowie die Angaben der Epochen, zu welchen sich

die Planeten in gewissen Hauptpunkten ihrer Bahn und ihres synodischen Laufes befinden, zusammengestellt. Die Bedeutung der hier verwendeten Zeichen siehe Seite VIII des Vorworts. — Die Konjunktionen der Planeten mit dem Mond und ihre gegenseitigen sind als Konjunktionen in AR. zu verstehen. Die Angaben über Konjunktion und Opposition der Planeten mit der Sonne entsprechen den Zeiten, zu denen der Längenunterschied zwischen Planet und Sonne 0° oder 180° ist.

Hilfstafeln (S. 315*—338*).

Es folgt eine Reihe von häufig gebrauchten Hilfstafeln.

1) Tafeln für Präzessionswerte (S. 315*—317*).

a) Präzession in Rektaszension und Deklination (Seite 315*)

$$p_\alpha = m + \tfrac{1}{15} n \sin\alpha \operatorname{tg}\delta$$
$$p_\delta = n \cos\alpha$$

b) Präzessionswerte m, n, ψ, π, Π und ε, die mittlere Schiefe der Ekliptik (Seite 315*).

Mit diesen Werten berechnet sich die Präzession für die Elemente einer Bahnebene im System der Ekliptik nach:

$$p_\Omega = \psi - \pi \operatorname{cotg} i \sin(\Pi - \Omega)$$
$$p_i = -\pi \cos(\Pi - \Omega)$$
$$p_\omega = \pi \operatorname{cosec} i \sin(\Pi - \Omega)$$

und im System des Äquators nach:

$$p_{\Omega'} = m - n \operatorname{cotg} i' \cos\Omega'$$
$$p_{i'} = -n \sin\Omega'$$
$$p_{\omega'} = n \cos\Omega' \operatorname{cosec} i'$$

c) Präzession in Länge und Breite (Seite 316*—317*).

$$p_\lambda = \psi + \pi \operatorname{tg}\beta \cos(\Pi - \lambda)$$
$$p_\beta = \pi \sin(\Pi - \lambda)$$

Den Tafeln a) und c) liegen die Präzessionswerte für 1925.0 zugrunde. Über die Bedeutung der Bezeichnungen und die Zahlenwerte vergleiche die Erläuterungen zum Jahrbuch für 1916.

2) Hilfstafeln zur Verwandlung von Mittlerer Zeit in Sternzeit (S. 318*, 320*) und von Sternzeit in Mittlere Zeit (S. 319*, 321*).

3) Eine Tafel zur Verwandlung von Stunden, Minuten und Sekunden in Dezimalteile des Tages und umgekehrt (S. 322*—323*).

4) Eine Tafel für die Ermittelung eines Datums in der Julianischen Periode (Seite 324*—328*). Die Tafel besteht aus zwei Teilen. Der erste Teil (S. 324*—325*) gibt in vierjährigen Schaltperioden für die Jahre 0 bis 2000 die Anzahl der am 0. Januar, 12^h Welt-Zeit, seit Anfang der Julianischen Periode verflossenen Tage. Als Ergänzung gibt die Hilfstafel am Fuß der Seite die Anzahl der am 0. jedes Monats, 12^h Welt-Zeit, seit Beginn der Schaltperiode verflossenen Tage. Man gehe bis zum 4. Oktober des Jahres 1582 mit dem Datum des Julia-

nischen, für spätere Jahre mit dem Datum des Gregorianischen Kalenders in die Tafel ein. Der zweite Teil (S. 326*—328*) gibt für die Jahre 1860—1979 unmittelbar die Anzahl der im Gregorianischen Kalender am 0. eines jeden Monats, 12^h Welt-Zeit, seit Beginn der Julianischen Periode verflossenen Tage.

5) Eine Tafel zur Verwandlung von Minuten und Sekunden in Dezimalteile des Grades und umgekehrt (S. 329*).

6) Tafel des halben Tagbogens (S. 330*—331*), berechnet mit der Horizontalrefraktion 34'.9 für geographische Breiten von + 30° bis + 60° und Deklinationen von — 30° bis + 30°.

7) Reduktionstafeln für die Auf- und Untergangszeiten der Sonne und des Mondes (S. 332*—335*). Sie geben die Reduktion der für + 50° Breite gültigen Zeiten, wie sie in den Ephemeriden enthalten sind, auf geographische Breiten zwischen + 30° und + 60° und sind mit der Horizontalrefraktion 34'.9 für das Erscheinen oder Verschwinden des oberen Gestirnsrandes gerechnet.

8) Die Tafel zur Berechnung der optischen Mondlibration (S. 336*—337*) gibt mit dem Argument $\lambda - \Omega$ die Werte $\Delta\lambda$, a und B entsprechend den Gleichungen:

$$\Delta\lambda = \frac{1}{\operatorname{arc} 1'} \operatorname{tang}^2 \frac{1}{2} J \sin 2 (\lambda - \Omega)$$
$$a = -\cos(\lambda - \Omega) \sin J$$
$$\operatorname{tang} B = -\sin(\lambda - \Omega) \operatorname{tang} J$$

J = Neigung des Mondäquators gegen die Ekliptik.

Ω = Länge des aufsteigenden Knotens der Mondbahn auf der Ekliptik (s. S. 293*).

λ, β = Länge und Breite des Mondmittelpunktes, berechnet für den Beobachtungsort.

Bezeichnen noch $L_☾$ die mittlere Länge des Mondes, l' und b' die optische Libration der Mondmitte in selenographischer Länge und Breite, so ist:

$$l' = \lambda - L_☾ + \Delta\lambda - a(B - \beta)$$
$$b' = B - \beta$$

Der Winkel C, welchen der Mondmeridian des Mittelpunktes der scheinbaren Mondscheibe mit dem Stundenkreise bildet, ergibt sich aus der Gleichung:

$$\sin C = -\sin i \frac{\cos(L_☾ + l' + \Delta - ☋)}{\cos \delta_☾} = -\sin i \frac{\cos(\alpha_☾ - \Omega')}{\cos b'},$$

worin $\alpha_☾$, $\delta_☾$ Rektaszension und Deklination des Mondmittelpunktes gesehen vom Beobachtungsort aus, bezeichnen; die anderen vorkommenden Größen i, Δ, ☋ und Ω' haben schon auf S. 357* ihre Erklärung gefunden.

9) Eine Tafel der Hilfsgrößen s und c (S. 338*) zur Berechnung der geozentrischen Breite φ' und der geozentrischen Entfernung ρ eines

Erdortes, ausgedrückt in Einheiten der großen Halbachse des Erdellipsoids, aus der geographischen Breite φ nach den Formeln:

$$\varrho \sin \varphi' = s \sin \varphi$$
$$\varrho \cos \varphi' = c \cos \varphi$$

Darin haben s und c die Bedeutung:

$$s = \frac{1-e^2}{\sqrt{1-e^2\sin^2\varphi}}, \quad c = \frac{1}{\sqrt{1-e^2\sin^2\varphi}}, \quad e = \sqrt{2\,\mathfrak{a}-\mathfrak{a}^2}.$$

Gemäß den Beschlüssen der Pariser Ephemeridenkonferenz von 1911 ist dabei die Abplattung $\mathfrak{a} = \frac{1}{297.0}$ angenommen.

Koordinaten der Sternwarten (S. 339*—345*).

Die Seiten 339*—345* enthalten die geographischen und geozentrischen Koordinaten der Sternwarten.

Die Seehöhen sind in allen Fällen angegeben, wo sie sich einigermaßen sicher ermitteln ließen.

Die geographischen Längen sind auf den Meridian von Greenwich bezogen und dem entsprechend ist die »Korrektion der Sternzeit« die Differenz: Orts-Sternzeit in mittlerer Mitternacht minus Greenwicher Sternzeit in mittlerer Mitternacht.

Die geozentrischen Koordinaten sind den Beschlüssen der Pariser Ephemeridenkonferenz vom Oktober 1911 gemäß unter Annahme der Abplattung 1 : 297.0 berechnet.

Bei Berechnung von log ϱ ist die Seehöhe berücksichtigt.

Normalzeiten der wichtigeren Länder (S. 346*).

Auf S. 346* sind die in den wichtigeren Ländern eingeführten Normalzeiten in zwei Gruppen zusammengestellt, je nachdem sie an den Meridian von Greenwich angeschlossen sind oder einen eigenen Landes-Meridian zugrunde legen.

Berichtigungen

Jahrbuch 1936, S. 315* Juni 11 muß es heißen ♂ ☌ ☉ anstatt ♂ ☌ ☾.

S. 366* 3. Zeile von oben lies $\gamma \cos h = -0\overset{\circ}{.}747 + \ldots$

Jahrbuch 1937, S. 23* Stern 847) δ Cephei ist einzuklammern.

S. 34* Stern 62) ζ Ceti, Deklination. Zwischen den Differenzen für Sept. 7 —27 füge einen Strich ein: $\frac{7}{26}$

S. 74* Stern 311) 20 Navis. Die Deklination am 19. Juli ist $-15^\circ\ 35'\ 59''.76$ anstatt $59''.47$. Die vorhergehende Differenz wird 174, die folgende 171.

S. 148* Stern 790) ζ Microsc. tg δ ist —0.806 anstatt +0.806.

Nr.	Name im FK3	1937·5 $\Delta\alpha$ (0^s001)	1937·5 $\Delta\delta$ ($0''01$)
1	α Andr	− 60	+ 13
2	β Cass	− 68	+ 27
3	ε Phoe	+143	+135
4	22 Andr	− 82	+ 45
5	κ^2 Scul	− 15	+134
6	ϑ Scul	+112	+ 91
7	γ Pegs	− 37	+ 54
8	†Br 6 Ceph *m*	−174	+ 22
9	ι Ceti	− 25	+ 44
10	ζ Tucn	+129	+110
11	β Hydi	+ 13	+ 59
12	α Phoe	+110	+152
13	12 Ceti	− 60	+ 40
14	49 G. Ceti	− 5	+ 88
15	λ^1 Phoe	+116	+106
16	κ Cass	−142	+ 13
17	ζ Cass	− 94	+ 17
18	π Andr	− 77	0
19	ε Andr	− 67	+ 30
20	δ Andr	− 56	− 28
21	α Cass	− 46	+ 24
22	β Ceti	0	+ 16
23	η Phoe	− 49	+178
24	21 Cass	+ 9	+ 23
25	o Cass	− 81	+ 35
26	λ^2 Scul	+124	+ 93
27	ζ Andr	− 41	+ 18
28	δ Pisc	− 25	+ 11
29	Br 82 Cass	−154	− 2
30	φ^2 Ceti[1])	− 30	+ 23
31	λ Hydi	−310	+ 8
32	γ Cass	− 91	+ 29
33	μ Andr	− 56	+ 10
34	λ^2 Tucn	+307	+ 40
35	α Scul	+ 65	+ 93
36	ε Pisc	− 42	− 3
37	26 Ceti	− 75	+ 29
38	†β Phoe *m*	+143	+154
39	ι Tucn	+ 11	+ 13
40	η Ceti	+ 29	+ 28
41	44 H. Ceph	− 91	− 40
42	β Andr	− 65	+ 8
43	τ Pisc	− 65	+ 62
44	102 G. Scul	+154	+ 28
45	υ Pisc	− 36	+ 15
46	ψ Cass	− 90	− 9
47	ϑ Ceti	− 31	− 4
48	δ Cass	− 81	− 5
49	γ Phoe	+106	+114
50	η Pisc	− 26	+ 30
51	40 Cass	−125	− 24
52	51 Andr[1])	− 38	+ 35
53	14 G. Hydi	− 39	+ 52
54	α Erid	− 27	+ 70
55	43 Cass	− 44	− 2
56	ν Pisc	− 52	+ 41
57	φ Pers	− 61	+ 31
58	129 G. Scul	+ 68	+ 37
59	τ Ceti	− 33	+ 45
60	o Pisc	− 38	+ 32
61	ε Scul	+ 67	+166
62	ζ Ceti	− 27	+ 19
63	ε Cass	− 97	+ 1
64	α Tria	− 63	+ 17
65	ξ Pisc	− 45	+ 69
66	β Aris	− 18	+ 11
67	ψ Phoe	+ 39	+127
68	χ Erid	+117	+181
69	η^2 Hydi	+ 23	+ 31
70	50 Cass	−108	+ 29
71	υ Ceti	− 27	+ 7
72	α Hydi	+ 69	+100
73	γ Andr *pr*	− 37	+ 55
74	α Aris	− 26	− 6
75	β Tria	− 56	+ 16
76	55 Cass	−104	− 8
77	Br 299 Andr[2])	− 79	+ 35
78	μ Forn	− 37	+ 70
79	γ Tria	− 59	0
80	67 Ceti	− 17	+ 36

[1]) 19 Ceti

[1]) υ Pers   [2]) 6 Pers

Nr.	Name im FK3	1937·5 Δα (0.s001)	1937·5 Δδ (0."01)
81	ϑ Aris	−51	+32
82	φ Erid	+57	+108
83	κ Forn	−19	+58
84	λ Horo	−44	+44
85	ξ^2 Ceti	−54	+19
86	κ Erid	+102	+118
87	36 H. Cass	−155	+18
88	λ^1 Forn	+96	+96
89	ν Aris	−52	+21
90	μ Hydi	−64	−26
91	δ Ceti	−48	+40
92	Br 366 Cass	−44	+6
93	ϑ Pers	−72	+44
94	35 Aris	−39	+15
95	ε Hydi	−13	+52
96	†γ Ceti	−20	+14
97	π Ceti	−35	−6
98	μ Ceti	−37	+13
99	η Pers	−98	+20
100	41 Aris	−54	+2
101	β Forn	+11	+40
102	τ^2 Erid	−34	+87
103	τ Pers	−58	+3
104	η Erid	−38	+35
105	47 H. Ceph	−159	−63
106	ϑ Erid *pr*	+103	−1
107	α Ceti	−18	+27
108	γ Pers	−58	+21
109	ρ Pers	−62	+2
110	μ Horo	+85	+76
111	β Pers	−50	+27
112	ι Pers	−68	+68
113	ϑ Hydi	+71	−18
114	δ Aris	−37	+1
115	48 H. Ceph	+65	−60
116	94 Ceti	−93	+24
117	†α Forn[1]	+32	+30
118	38 G. Horo	+73	+129
119	82 G. Erid[2]	−33	+156
120	α Pers	−41	+34
121	o Taur	−52	+37
122	2 H. Caml	−72	−37
123	ξ Taur	−43	+101
124	σ Pers	−71	+8
125	5 Taur[1]	−35	+59
126	κ Reti	+188	+109
127	ε Erid	−65	+51
128	45 G. Horo	+139	+21
129	Grb 716 Caml	−81	−24
130	110 G. Erid[2]	−31	+21
131	δ Pers	−63	+23
132	†o Pers	−55	+56
133	δ Forn	−30	+81
134	ν Pers	−64	+38
135	δ Erid	−48	+2
136	17 Taur	−58	+18
137	24 Erid	−62	+40
138	γ Caml[3]	−55	+16
139	η Taur	−57	+29
140	τ^6 Erid	0	−18
141	β Reti	−4	+126
142	27 Taur	−48	+18
143	138 G. Erid[4]	−69	+60
144	ζ Pers	−67	+11
145	†9 H. Caml	−56	+47
146	γ Hydi	+8	+60
147	ε Pers	−67	+24
148	ξ Pers	−83	+56
149	γ Erid	−38	+40
150	λ Taur	−38	+16
151	ν Taur	−71	+73
152	48 Pers[5]	−111	+38
153	174 G. Erid	−26	+2
154	o^1 Erid	−66	+35
155	α Horo	+44	+99
156	α Reti	+33	+6
157	γ Dora	+82	+117
158	54 Pers	−58	+1
159	γ Taur	−49	+46
160	†υ^4 Erid *m*	+30	+75

Nr. 81–120: [1] 12 Erid [2] e Erid

Nr. 121–160: [1] f Taur [2] y Erid [3] 5 H. Caml [4] g Erid [5] c Pers

Nr.	Name im FK3	1937·5 Δα (0.ˢ001)	1937·5 Δδ (0.″01)
161	212 G. Erid	−136	−104
162	δ Taur	−58	+29
163	η Reti	−45	+82
164	ε Taur	−74	+9
165	1 Caml *sq*	−112	+4
166	δ Mens	+136	−22
167	δ Cael	+3	+100
168	α Taur	−39	+2
169	ν Erid	−58	+24
170	υ^2 Erid	−8	−31
171	α Dora	−165	−26
172	53 Erid	−8	+43
173	Grb 848 Caml	−38	+4
174	τ Taur	−89	+31
175	4 Caml	−34	+20
176	μ Erid	−83	+22
177	μ Mens	−45	+15
178	α Caml[1]	−59	+10
179	π^4 Orio	−59	+72
180	π^5 Orio	−58	+46
181	ι Auri	−85	+15
182	β Caml[2]	−89	−4
183	ε Auri	−68	+62
184	ι Taur	−96	+20
185	η Auri	−88	+41
186	ε Leps	−58	+6
187	η^2 Pict	+94	−76
188	β Erid	−77	+22
189	ζ Dora	+83	+77
190	λ Erid	−69	+19
191	19 H. Caml	+55	−9
192	μ Auri	−77	+2
193	α Auri	−51	+42
194	β Orio	−30	+7
195	τ Orio	−47	+6
196	ϑ Dora	−82	−30
197	ο Colm	0	−56
198	12 G. Colm	−76	+53
199	ζ Pict	−30	+12
200	†η Orio *m*	−81	+16
201	γ Orio	−63	+48
202	β Taur	−68	+12
203	17 Caml	−77	+9
204	β Leps	−78	+31
205	Grb 966 Caml	−142	+48
206	δ Orio	−43	+30
207	α Leps	−48	+31
208	φ^1 Orio	−57	+56
209	ι Orio	−71	+71
210	ε Orio	−48	+33
211	ζ Taur	−73	+27
212	β Dora	−27	+40
213	†σ Orio *m*	−57	+30
214	γ Mens	+87	−32
215	α Colm	−25	+95
216	ο Auri	−97	+42
217	γ Leps	−88	+49
218	130 Taur	−108	−16
219	ζ Leps	−50	−8
220	κ Orio	−55	+5
221	ν Auri	−54	−22
222	δ Leps	−36	+49
223	β Colm	−11	+10
224	α Orio	−43	−12
225	δ Auri	−79	−26
226	η Leps	−68	−1
227	β Auri	−99	+38
228	†ϑ Auri	−94	+29
229	η Colm	−99	+89
230	66 Orio	−56	+60
231	1 G. Pupp	−75	+75
232	ν Orio	−99	+59
233	36 Caml	+50	+14
234	22 H. Caml	−97	−2
235	δ Pict	−8	+107
236	†η Gemi	−89	0
237	2 Lync	−99	−43
238	κ Colm	−94	+70
239	α Mens	+405	+48
240	ζ CMaj	−31	+4

[1]) 9 Caml [2]) 10 Caml

Nr.	Name im FK3	1937·5 Δα (0.s001)	1937·5 Δδ (0.''01)
241	μ Gemi	— 88	— 10
242	ψ¹ Auri	—110	— 10
243	β CMaj	— 39	— 24
244	8 ε Mono[1])	— 84	+ 48
245	α Cari[2])	+ 26	+ 67
246	10 Mono	— 87	+ 4
247	8 Lync	— 79	— 5
248	23 H. Caml	— 30	+ 86
249	ξ² CMaj	— 50	+ 17
250	51 Auri	— 78	+ 2
251	γ Gemi	— 59	+ 11
252	ν Pupp[3])	— 57	+113
253	†S Mono	— 94	— 8
254	ε Gemi	— 96	— 6
255	ψ5 Auri	—116	+ 55
256	ξ Gemi	— 77	+ 29
257	α CMaj *cg*	— 47	+ 12
258	18 Mono	—121	+ 50
259	43 Caml	—146	+ 18
260	24 H. Caml	— 87	+ 23
261	ϑ Gemi	— 99	+ 25
262	α Pict	— 91	+ 60
263	τ Pupp[4])	— 60	+144
264	ζ Mens	+ 79	—173
265	†15 Lync *m*	—104	— 30
266	ϑ CMaj	— 60	+ 2
267	ι Voln	— 46	+ 25
268	ε CMaj	— 6	+ 10
269	ζ Gemi	— 87	+ 2
270	o² CMaj	— 43	+ 16
271	γ CMaj	— 94	+ 36
272	27 G. Cari	+ 53	+ 44
273	δ CMaj	— 10	+ 18
274	63 Auri	—107	— 16
275	J Pupp	+ 1	+ 38
276	64 Auri	—144	+ 60
277	λ Gemi	— 71	+ 35
278	π Pupp[5])	— 2	+ 63
279	δ Gemi	— 97	— 23
280	19 Lync *sq*	—110	+ 9

[1]) 8 Mono [2]) α Argus [3]) ν Argus
[4]) τ Argus [5]) π Argus

Nr.	Name im FK3	1937·5 Δα (0.s001)	1937·5 Δδ (0.''01)
281	δ Voln	—160	+ 69
282	ι Gemi	—103	— 22
283	η CMaj	— 50	— 59
284	Grb 1308 Caml	—135	+ 30
285	β CMin	— 85	+ 8
286	ρ Gemi	— 85	— 72
287	α Gemi *cg*	— 63	—265
288	108 G. Pupp	— 65	+104
289	25 Mono	— 81	— 18
290	127 G. Pupp[1])	— 51	+ 25
291	α CMin *cg*	— 28	— 1
292	24 Lync	—100	+ 7
293	26 α Mono[2])	— 16	— 11
294	ϰ Gemi	— 92	+ 9
295	β Gemi	— 73	— 5
296	π Gemi	—122	0
297	ζ Voln	+285	+ 42
298	†9 Pupp *m*[3])	— 83	+ 1
299	26 Lync	—123	+ 34
300	Grb 1374 Caml	— 26	— 11
301	213 G. Pupp[4])	— 55	+ 10
302	53 Caml	—318	+ 9
303	χ Cari[5])	—117	— 1
304	27 Mono	—156	— 61
305	χ Gemi	— 92	0
306	ζ Pupp[6])	— 2	+ 37
307	27 Lync	—112	— 14
308	ρ Pupp[7])	— 23	+ 39
309	γ Velr[8])	— 9	+ 47
310	Br 1147 Caml	+ 7	— 4
311	20 Pupp[9])	— 83	+ 17
312	β Cncr	— 70	+ 13
313	289 G. Pupp[10])	+ 31	+ 26
314	31 Lync	— 98	+ 31
315	ε Cari[11])	— 80	— 7
316	Br 1197 Hyda	— 82	— 19
317	o UMaj	—110	+ 5
318	ϑ Cham	+407	+ 36
319	β Voln	+ 13	+107
320	Grb 1450 Lync	— 78	— 10

[1]) f Pupp [2]) 26 Mono [3]) 205 G. Pupp
[4]) α Pupp [5]) χ Argus [6]) ζ Argus [7]) ι Navis
[8]) γ Argus [9]) 20 Navis [10]) q Pupp [11]) ε Argus

Nr.	Name im FK3	1937·5 Δα $(0^s.001)$	1937·5 Δδ $(0''.01)$
321	η Cncr	−113	+ 9
322	Grb 1446 Caml	−119	0
323	Grb 1460 UMaj	− 84	0
324	48 G. Velr 1)	− 3	+ 82
325	6 Hyda	− 35	− 11
326	δ Cncr	− 80	+ 25
327	α Pyxi	− 38	− 2
328	ι Cncr	− 90	+ 20
329	†ε Hyda *m*	− 69	− 25
330	†δ Velr *m* 2)	− 32	+102
331	η Cham	+388	− 86
332	γ Pyxi	− 62	− 69
333	†σ² Cncr *m*	− 77	+ 18
334	ζ Hyda	− 77	− 6
335	ι UMaj	− 93	+ 43
336	108 G. Cari 3)	− 54	− 78
337	α Cncr	− 79	+ 16
338	ρ UMaj	−111	+ 12
339	Br 1268 Lync 4)	−133	+ 51
340	Grb 1501 UMaj	−106	− 12
341	κ UMaj	−101	+ 45
342	97 G. Velr 5)	+ 46	+ 76
343	α Voln	+ 53	+ 77
344	†σ² UMaj	−226	− 66
345	λ Velr 6)	+ 19	+ 24
346	36 Lync	−120	+ 34
347	ϑ Hyda	− 66	+ 4
348	β Cari 7)	+ 73	+ 26
349	†38 Lync	− 99	+ 3
350	83 Cncr	−108	+ 7
351	ι Cari 8)	+ 44	+ 1
352	α Lync 9)	− 63	+ 5
353	κ Velr 10)	+ 21	+ 32
354	α Hyda	− 69	− 24
355	23 UMaj 11)	−127	− 3
356	ε Antl	− 34	+ 42
357	24 UMaj 12)	−147	+ 6
358	ϑ UMaj	− 86	+ 20
359	†ψ Velr *m* 13)	− 18	− 4
360	10 LMin	−107	− 20

1) e Velr 2) δ Argus 3) c Cari 4) 10 UMaj 5) c Velr 6) λ Argus 7) β Argus 8) ι Argus 9) 40 Lync 10) κ Argus 11) h UMaj 12) d UMaj 13) ψ Argus

Nr.	Name im FK3	1937·5 Δα $(0^s.001)$	1937·5 Δδ $(0''.01)$
361	N Velr	− 94	− 17
362	H Cari	+ 88	+ 36
363	Grb 1564 UMaj	−113	+ 2
364	κ Hyda	− 72	− 68
365	o Leon	− 73	− 9
366	ϑ Antl	− 48	− 18
367	ε Leon	− 70	+ 12
368	υ UMaj	−111	− 12
369	†υ Cari 1)	− 14	+ 55
370	6 Sext	− 82	+ 1
371	μ Leon	− 49	− 22
372	Grb 1586 UMaj	− 82	+ 17
373	183 G. Hyda	−106	+129
374	19 LMin	−100	− 10
375	φ Velr 2)	− 36	+ 65
376	12 Sext	− 80	− 54
377	η Antl	− 44	+ 2
378	π Leon	− 68	− 5
379	η Leon	− 59	+ 6
380	α Leon	− 53	+ 27
381	λ Hyda	− 83	− 26
382	191 G. Velr 3)	+ 56	− 13
383	λ UMaj	− 78	+ 32
384	ζ Leon	− 76	− 26
385	ω Cari 4)	−201	+ 3
386	μ UMaj	− 79	+ 37
387	30 H. UMaj	− 49	− 36
388	25 Sext	− 53	+ 36
389	μ Hyda	− 85	+ 9
390	β LMin 5)	− 94	− 15
391	J Cari	+177	− 80
392	α Antl	− 30	+ 45
393	196 G. Cari 6)	+ 12	+ 40
394	36 UMaj	− 81	− 8
395	9 H. Drac	− 73	− 27
396	ρ Leon	− 57	− 2
397	203 G. Cari 7)	−125	+ 4
398	37 UMaj	− 96	− 1
399	44 Hyda	− 98	+ 7
400	†222 G. Velr *m* 8)	+116	+ 79

1) υ Argus 2) φ Argus 3) q Velr 4) ω Argus 5) 31 LMin 6) s Cari 7) p Cari 8) p Velr

Nr.	Name im FK3	1937.5 Δα $(0^{s}.001)$	1937.5 Δδ $(0''.01)$
401	γ Cham	−123	−75
402	225 G.Velr[1])	+258	+101
403	35 H. UMaj	+2	+12
404	33 Sext	−71	+7
405	41 LMin	−87	−44
406	ϑ Cari[2])	−41	+31
407	42 LMin	−98	−16
408	†μ Velr[3])	+89	+90
409	53 Leon[4])	−70	+20
410	ν Hyda	−50	+23
411	δ² Cham	−252	−50
412	46 LMin	−89	−17
413	Br 1508 Drac	−18	−30
414	ι Antl	−42	+44
415	239 G.Velr[5])	−82	+15
416	β UMaj	−76	+19
417	α UMaj	−59	+21
418	χ Leon	−63	−17
419	χ¹ Hyda[6])	+17	+34
420	ψ UMaj	−82	+36
421	β Crat	−37	−24
422	δ Leon	−69	+12
423	ϑ Leon	−48	−3
424	Grb 1757 UMaj	−54	+48
425	ν UMaj	−95	+9
426	δ Crat	−36	+12
427	σ Leon	−67	−3
428	π Cent	−5	+23
429	Grb 1771 UMaj	−77	−30
430	†ι Leon	−7	+39
431	γ Crat	−45	−43
432	58 UMaj	−116	+29
433	λ Drac	−55	+16
434	ξ Hyda	−14	+39
435	C² Cent	+30	−26
436	λ Cent	−3	+47
437	υ Leon	−57	+29
438	π Cham	−259	+54
439	ο Hyda	−61	+22
440	3 Drac	−94	−29

[1]) x Velr [2]) ϑ Argus [3]) μ Argus
[4]) l Leon [5]) i Velr [6]) χ Hyda

Nr.	Name im FK3	1937.5 Δα $(0^{s}.001)$	1937.5 Δδ $(0''.01)$
441	χ UMaj	−90	+27
442	λ Musc	−22	+45
443	65 G. Cent	−145	+78
444	β Leon	−52	−9
445	β Virg	−56	+20
446	B Cent	+88	+91
447	γ UMaj	−68	+37
448	†ε Cham *m*	+118	+35
449	88 G. Cent	+80	+37
450	ο Virg	−62	+53
451	Grb 1852 Caml	−32	−17
452	δ Cent	+11	+17
453	ε Corv	−39	+5
454	Br 1634 Caml[1])	−65	−23
455	δ Cruc	−24	+113
456	δ UMaj	−131	+12
457	γ Corv	−45	+15
458	2 CVen	−134	+44
459	β Cham	+37	+8
460	η Virg	−60	+12
461	6 CVen	−77	−19
462	α Cruc *m*	−3	+103
463	323 G. Hyda	−12	+126
464	σ Cent	−4	+53
465	δ Corv	−58	+9
466	20 Coma	−111	+31
467	74 UMaj	−17	+11
468	γ Cruc	+22	+66
469	γ Musc	−113	+82
470	β CVen[2])	−100	+57
471	β Corv	+10	+23
472	κ Drac	−63	+12
473	24 Coma *sq*	−95	+12
474	α Musc	−98	+112
475	χ Virg	−74	+46
476	†γ Cent *m*	+34	+63
477	†γ Virg *m*	−67	+32
478	76 UMaj	−126	−21
479	330 G. Hyda	−72	+84
480	†β Musc *m*	−20	+47

[1]) 4 H. Drac [2]) 8 CVen

Nr.	Name im FK3	1937·5 $\Delta\alpha$ ($0^s.001$)	1937·5 $\Delta\delta$ ($0''.01$)
481	β Cruc	+ 34	+ 61
482	150 G. Cent[1])	+ 32	+ 97
483	ε UMaj	− 57	+ 26
484	δ Virg	− 43	+ 44
485	α CVen *sq*[2])	− 59	+ 4
486	8 Drac	− 52	− 9
487	δ Musc	+208	+ 8
488	ε Virg	− 56	+ 12
489	ξ^2 Cent	− 18	+104
490	ϑ Virg	− 50	+ 40
491	17 CVen	− 96	+ 50
492	β Coma[3])	− 70	− 5
493	η Musc	−215	+ 80
494	20 CVen	− 69	+ 66
495	γ Hyda	− 38	+ 44
496	ι Cent	+ 35	+ 40
497	ζ UMaj *pr*	− 68	+ 3
498	α Virg	− 29	+ 10
499	Grb 2001 UMin	− 36	+ 17
500	69 H. UMaj	− 67	− 12
501	ζ Virg	− 48	+ 13
502	17 H. CVen	− 32	+ 15
503	49 G. Cham	+ 21	− 7
504	ε Cent	+ 62	+113
505	Grb 2029 UMin	− 85	− 28
506	1 Cent[4])	− 1	+ 47
507	τ Boot	− 47	+ 42
508	μ Cent	+ 16	− 17
509	η UMaj	− 92	+ 46
510	89 Virg	− 66	− 17
511	10 Drac[5])	− 89	− 40
512	ζ Cent	+ 60	+118
513	η Boot	− 65	+ 12
514	294 G. Cent	− 86	+ 9
515	47 Hyda	− 48	+ 83
516	τ Virg	− 68	+ 47
517	11 Boot	−105	+ 38
518	β Cent	− 34	+115
519	π Hyda	− 24	+ 75
520	ϑ Cent	+ 27	+ 70

[1]) n Cent [2]) 12 CVen sq [3]) 43 Coma [4]) i Cent [5]) i Drac

Nr.	Name im FK3	1937·5 $\Delta\alpha$ ($0^s.001$)	1937·5 $\Delta\delta$ ($0''.01$)
521	α Drac	−101	− 12
522	12 *d* Boot[1])	−100	+ 39
523	κ Virg	− 57	+ 15
524	4 UMin	− 35	− 23
525	ι Virg	− 12	+ 32
526	α Boot	− 39	+ 29
527	λ Boot	− 82	+ 45
528	ι Boot	− 89	+ 31
529	υ Cent	+103	+154
530	10 G. Circ	+ 88	+143
531	ϑ Boot	− 94	+ 33
532	52 Hyda	+ 8	+ 32
533	φ Virg	− 69	+ 25
534	ρ Boot	− 81	+ 31
535	γ Boot	− 82	+ 36
536	Grb 2125 Drac	−147	− 13
537	η Cent	− 11	+ 25
538	α Cent *cg*	+ 41	− 10
539	α Circ	+ 90	− 11
540	33 Boot	− 66	+ 45
541	α Lupi	− 22	+104
542	α Apds	+273	+ 85
543	†ζ Boot *m*	− 66	+ 50
544	371 G. Cent[2])	+ 4	+ 86
545	μ Virg	− 42	+ 36
546	30 G. Lupi[3])	− 42	+ 64
547	109 Virg	− 55	+ 60
548	α^2 Libr[4])	− 18	+ 28
549	Grb 2164 Drac	− 56	+ 43
550	β UMin	−112	+ 24
551	P. XIV 221 Boot	− 68	+ 85
552	β Lupi	+ 45	+117
553	κ Cent	− 20	+ 55
554	2 H. UMin	− 15	− 42
555	β Boot	− 78	+ 67
556	σ Libr[5])	− 25	+ 57
557	ψ Boot	− 74	+ 46
558	ζ Lupi	+ 32	+ 11
559	ι Libr	− 29	+ 46
560	γ TriA	− 77	+ 52

[1]) d Boot [2]) c^1 Cent [3]) b Lupi [4]) α Libr [5]) γ Scor

Nr.	Name im FK3	1937·5 Δα $(0^s.001)$	1937·5 Δδ $(0''.01)$
561	β Circ	− 25	+ 45
562	3 Serp	− 77	+ 54
563	δ Boot	−101	+ 22
564	β Libr	− 60	+ 38
565	1 H. UMin	−167	+ 27
566	φ^1 Lupi	− 30	+ 63
567	$\varkappa^1$ Apds	+ 8	+ 11
568	μ Boot *pr*	− 61	+ 16
569	γ UMin	−177	+ 20
570	τ^1 Serp	− 67	+ 63
571	ι Drac	−132	− 2
572	β CorB	− 95	+ 44
573	ν^1 Boot	− 85	+ 41
574	ε TriA	+ 63	+ 68
575	†γ Lupi *m*	+ 34	+ 81
576	ϑ CorB	− 63	+ 57
577	γ Libr	− 58	− 8
578	α CorB	− 65	+ 45
579	υ Libr[1])	− 1	+ 64
580	φ Boot	−100	+ 28
581	†γ CorB	−102	+ 59
582	α Serp	− 45	+ 17
583	β Serp	− 72	+ 40
584	ϰ Serp	− 76	+ 62
585	μ Serp	− 37	+ 28
586	χ Lupi	− 11	− 23
587	12 H. Drac	−115	+ 14
588	ε Serp	− 49	+ 23
589	β TriA	− 97	+ 69
590	ζ UMin	−130	− 22
591	γ Serp	− 62	+ 48
592	π Scor	+ 11	+101
593	ε CorB	− 54	+ 29
594	δ Scor	− 30	+ 74
595	Grb 2296 Drac	− 61	− 12
596	δ Norm	+ 4	+152
597	β Scor *pr*	− 12	+ 45
598	ϑ Drac	−131	− 15
599	ϑ Lupi	+ 23	+ 36
600	ϰ Norm	+142	+216

[1]) 3 H. Scor

Nr.	Name im FK3	1937·5 Δα $(0^s.001)$	1937·5 Δδ $(0''.01)$
601	φ Herc	− 89	+ 26
602	δ TriA	− 48	+ 45
603	δ Ophi	− 51	+ 29
604	γ^2 Norm	+ 77	+ 24
605	ε Ophi	− 36	+ 59
606	19 UMin	−148	+ 10
607	σ Scor	− 20	+ 70
608	τ Herc	− 77	+ 34
609	γ Herc	− 44	+ 20
610	ζ TriA	+221	+ 96
611	γ Apds	−237	+ 10
612	η UMin	−132	− 36
613	ω Herc	− 62	+ 60
614	Grb 2343 Drac	−117	+ 8
615	†η Drac	− 77	− 7
616	α Scor	− 8	+ 42
617	†λ Ophi *m*	− 38	+112
618	β Herc	− 61	+ 29
619	A Drac	− 82	0
620	τ Scor	− 12	+ 61
621	σ Herc	− 98	+ 36
622	ζ Ophi	− 49	+ 16
623	Grb 2373 UMin	− 95	+ 1
624	Br 2114 Ophi[1])	− 43	+ 2
625	α TriA	+ 74	+ 86
626	η Herc	− 86	0
627	Grb 2377 Drac	−134	+ 55
628	ε Scor	+ 37	+ 22
629	49 Herc	− 76	+ 54
630	†ζ^2 Scor	+ 83	+ 37
631	ζ Arae	− 2	+ 71
632	ε^1 Arae	+ 82	+149
633	ϰ Ophi	− 48	+ 30
634	ε Herc	− 83	+ 30
635	60 Herc	− 58	+ 35
636	Grb 2415 Herc	− 94	− 22
637	†η Ophi *m*	− 21	+ 32
638	η Scor	− 37	+ 73
639	ζ Drac	− 91	+ 2
640	†α Herc *pr*	− 42	+ 49

[1]) 24 Scor

Nr.	Name im FK3	1937.5 $\Delta\alpha$ ($0^s.001$)	1937.5 $\Delta\delta$ ($0''.01$)
641	δ Herc	−70	−1
642	ι Apds	+133	+54
643	π Herc	−72	+13
644	ϑ Ophi	−8	+30
645	β Arae	−18	+88
646	45 Ophi[1]	+5	+28
647	27 H. Ophi	−86	+45
648	δ Arae	−44	+54
649	υ Scor	+116	+61
650	77 Herc[2]	−106	+79
651	α Arae	+7	+120
652	λ Scor	+36	+28
653	β Drac	−90	+29
654	ϑ Scor	+43	+113
655	ν^1 Drac	−139	+30
656	α Ophi	−34	+39
657	ν^2 Drac	−155	+11
658	ξ Serp	−26	+27
659	27 Drac[3]	−47	+3
660	κ Scor	+5	−9
661	η Pavo	+78	+7
662	μ Arae	−3	+102
663	ι Herc	−79	+56
664	ω Drac	−108	+1
665	β Ophi	−44	+37
666	ι^1 Scor	+31	−8
667	μ Herc	−34	+50
668	γ Ophi	−51	+38
669	G Scor	+9	+57
670	ψ Drac *pr*	−48	+1
671	ξ Drac	−114	+2
672	ϑ Herc	−69	+1
673	ν Ophi	−36	−5
674	ξ Herc	−68	+46
675	35 Drac	−67	+27
676	γ Drac	−78	+19
677	67 Ophi	−66	+19
678	66 G. Apds	+466	−75
679	γ Sgtr	+5	+60
680	72 Ophi	−47	+23

[1]) d Ophi [2]) x Herc [3]) f Drac

Nr.	Name im FK3	1937.5 $\Delta\alpha$ ($0^s.001$)	1937.5 $\Delta\delta$ ($0''.01$)
681	ο Herc	−73	+58
682	μ Sgtr	−21	+28
683	η Sgtr	−3	+3
684	Grb 2533 Lyra	−66	+22
685	36 Drac	−86	+2
686	ξ Pavo	+101	−104
687	δ Sgtr	−12	+21
688	η Serp	−44	+24
689	ε Sgtr	+15	+7
690	109 Herc	−59	+91
691	α Tele	−15	+14
692	λ Sgtr	−12	+40
693	†φ Drac *m*	−74	+60
694	†39 Drac[1]	−120	+26
695	χ Drac	−100	+30
696	γ Scut[2]	−29	−30
697	ϑ CorA	+24	+26
698	ζ Pavo	+214	+49
699	α Lyra	−54	+6
700	Grb 2655 Drac	−93	+33
701	Grb 2640 Drac	−73	−9
702	ε Scut[3]	−49	−9
703	110 Herc	−44	+40
704	λ Pavo	+61	+41
705	β Lyra	−74	−7
706	σ Sgtr	+7	+61
707	ο Drac	−105	+5
708	λ Tele	+55	−72
709	ϑ Serp *pr*	−41	+60
710	ξ^2 Sgtr[4]	−23	+27
711	R Lyra	−108	+47
712	ε Aqil	−20	+40
713	γ Lyra	−53	+15
714	υ Drac	−115	+45
715	†ζ Sgtr *m*	+22	−26
716	ζ Aqil	−37	+40
717	λ Aqil	−44	+3
718	α CorA	+46	+79
719	ι Lyra	−83	+27
720	π Sgtr	−6	−2

[1]) b Drac [2]) 2 H. Scut [3]) 5 H. Scut [4]) ξ Sgtr

Nr.	Name im FK3	1937·5 Δα (0ˢ.001)	Δδ (0″.01)
721	†60 G. Pavo *m*	+ 62	−12
722	43 Sgtr[1]	− 27	−34
723	δ Drac	−102	+37
724	ϑ Lyra	− 44	+23
725	ω Aqil	− 54	+32
726	ϰ Cygn	− 87	+36
727	υ Sgtr	− 59	− 9
728	α Sgtr	+ 17	+ 7
729	τ Drac	− 84	+24
730	δ Aqil	− 38	+19
731	186 G. Sgtr	+ 6	+17
732	β Cygn *pr*	− 42	+23
733	ι Cygn	− 62	+37
734	Grb 2900 Drac	−406	+29
735	ι Tele	+114	+ 5
736	52 Sgtr[2]	− 10	+20
737	ϰ Aqil	− 70	−20
738	ϑ Cygn	− 42	+49
739	ν Tele	+ 64	+16
740	15 Cygn	− 65	−12
741	γ Aqil	− 31	+20
742	†δ Cygn	− 77	+62
743	δ Sgte	− 52	− 5
744	51 Aqil	− 38	−38
745	α Aqil	− 17	+19
746	η Aqil	− 56	+31
747	†ε Drac	− 83	+73
748	ε Pavo	+256	−20
749	β Aqil	− 33	+ 8
750	†ψ Cygn	− 67	+20
751	ϑ^1 Sgtr	+ 36	+68
752	γ Sgte	− 39	+25
753	62 Sgtr[3]	− 5	+19
754	δ Pavo	+ 17	+91
755	ξ Tele	+156	+68
756	ϑ Aqil	− 33	+12
757	31 o^1 Cygn[4]	− 77	+33
758	33 Cygn	− 53	− 7
759	ϰ Ceph	0	+13
760	24 Vulp	− 72	+35

Nr.	Name im FK3	1937·5 Δα (0ˢ.001)	Δδ (0″.01)
761	α^2 Capr	− 34	− 29
762	β Capr	− 9	− 8
763	$\varkappa^1$ Sgtr	− 59	+ 57
764	α Pavo	− 40	− 15
765	γ Cygn	− 49	+ 7
766	†ρ Capr	− 38	− 9
767	ϑ Ceph	− 79	+ 27
768	ε Delf	− 47	+ 52
769	α Indi	+ 85	+ 58
770	73 Drac	−103	+ 3
771	†β Delf *m*	− 42	+ 41
772	ϰ Delf	− 57	+ 11
773	υ Capr	− 35	+ 5
774	α Delf	− 61	+ 48
775	β Pavo	+ 1	+ 94
776	η Jndi	+ 75	+ 90
777	α Cygn	− 54	+ 35
778	δ Delf	− 57	+ 50
779	ψ Capr	− 16	+ 28
780	ε Cygn	− 75	+ 11
781	ε Aqar	− 21	− 13
782	6 H. Ceph	− 60	+ 23
783	η Ceph	− 52	+ 30
784	†λ Cygn *m*	− 57	− 23
785	β Indi	+138	+ 25
786	32 Vulp	− 64	+ 6
787	α Octn	+226	− 60
788	ν Cygn	− 64	+ 58
789	11 Aqar	− 34	+ 19
790	ζ Micr	+ 45	+ 88
791	A Capr	+ 24	+ 34
792	ξ Cygn	− 90	+ 54
793	61 Cygn *pr*	− 63	− 12
794	ν Aqar	− 53	− 11
795	Br 2777 Ceph	−150	− 2
796	23 G. Indi	+229	+201
797	ζ Cygn	− 58	+ 39
798	†Grb 3415 Ceph *m*	− 54	+ 7
799	†τ Cygn	− 65	+ 6
800	α Equl	− 53	+ 32

[1] d Sgtr [2] h Sgtr [3] c Sgtr [4] o^1 Cygn sq

Nr.	Name im FK3	1937·5 Δα (0ˢ.001)	Δδ (0″.01)
801	ε Micr[1])	— 13	+ 38
802	ϑ¹ Micr	— 107	— 75
803	α Ceph	— 66	+ 16
804	1 Pegs	— 53	+ 46
805	γ Pavo	+ 157	+ 52
806	ζ Capr	— 23	+ 41
807	71 Cygn[2])	— 85	+ 38
808	β Aqar	— 25	+ 11
809	β Ceph	— 54	+ 45
810	ν Octn	+ 302	+ 99
811	74 Cygn	— 67	+ 50
812	γ Capr	— 39	— 30
813	13 H. Ceph	— 140	— 2
814	ι PscA	+ 33	— 10
815	ε Pegs	— 38	+ 38
816	†κ Pegs *m*	— 53	+ 37
817	11 Ceph	— 57	+ 42
818	λ Capr	— 65	+ 5
819	δ Capr	— 15	+ 18
820	ο Indi	+ 231	+107
821	π² Cygn	— 77	+ 41
822	γ Grus	+ 29	+ 55
823	16 Pegs	— 62	+ 12
824	δ Indi	+ 112	+152
825	ε Indi	— 11	+100
826	20 Pegs	— 53	+ 55
827	α Aqar	— 28	+ 28
828	ι Aqar	— 26	0
829	α Grus	— 2	+155
830	20 Ceph	— 78	+ 22
831	ι Pegs	— 63	+ 43
832	μ PscA	+ 108	+ 37
833	27 Pegs	— 99	+ 12
834	ϑ Pegs	— 57	+ 42
835	π Pegs	— 67	+ 14
836	ζ Ceph	— 41	+ 26
837	24 Ceph	— 14	+ 36
838	λ PscA	— 27	+ 14
839	ε Octn	+1025	+ 31
840	ϑ Aqar	— 33	+ 12

[1]) 4 PscA [2]) g Cygn

Nr.	Name im FK3	1937·5 Δα (0ˢ.001)	Δδ (0″.01)
841	α Tucn	+ 49	+ 80
842	γ Aqar	— 25	+ 50
843	31 Pegs	— 31	+ 60
844	β Lacr[1])	— 74	+ 41
845	ν Grus	+ 21	+ 44
846	δ¹ Grus	+ 25	+ 55
847	δ Ceph	— 81	+ 9
848	α Lacr[2])	— 92	+ 40
849	υ Aqar	— 47	+ 13
850	η Aqar	— 36	+ 42
851	31 Ceph	— 30	+ 44
852	10 Lacr	— 80	+ 19
853	30 Ceph	—143	+ 14
854	ε PscA	+ 23	+ 25
855	ζ Pegs	— 45	+ 41
856	β Grus	+ 92	+135
857	η Pegs	— 61	+ 69
858	13 Lacr	— 64	+ 41
859	λ Pegs	— 53	+ 28
860	ε Grus	+ 75	+ 75
861	τ Aqar	— 29	+ 25
862	μ Pegs	— 62	+ 30
863	ι Ceph	— 44	+ 33
864	λ Aqar	— 36	+ 19
865	ρ Indi	+150	+ 73
866	δ Aqar	— 1	+ 2
867	α PscA	+ 52	— 4
868	ζ Grus	+ 17	+ 54
869	ο Andr	— 80	+104
870	β Pegs	— 63	+ 38
871	α Pegs	— 32	+ 28
872	†ϑ Grus	+ 52	+135
873	88 Aqar[3])	+ 5	+ 28
874	†π Ceph	—102	+ 24
875	Br 3077 Cass	—146	+ 31
876	25 G. Tucn	+111	+159
877	γ Tucn	+120	+ 53
878	γ Pisc	— 22	+ 47
879	γ Scul	+ 7	+ 51
880	τ Pegs	— 46	+ 70

[1]) 3 Lacr [2]) 7 Lacr [3]) c² Aqar

Definitive Verbesserungen des NFK

Nr.	Name im FK3	1937.5 Δα (0ˢ.001)	Δδ (0″.01)
881	υ Pegs	− 54	+ 44
882	4 Cass	−103	+ 35
883	o Grus	+166	+ 75
884	ϰ Pisc	− 54	+ 23
885	70 Pegs	− 28	+ 74
886	β Scul	+ 14	+ 62
887	†72 Pegs *m*	− 66	+ 4
888	248 G. Aqar	− 46	+ 17
889	11 G. Phoe	+ 70	+188
890	λ Andr	− 73	+ 53
891	ι Andr	− 64	+ 55
892	ι Pisc	− 32	+ 58
893	γ Ceph	−218	− 1

Nr.	Name im FK3	1937.5 Δα (0ˢ.001)	Δδ (0″.01)
894	ω² Aqar	− 37	− 2
895	41 H. Ceph	− 95	+ 12
896	δ Scul	+ 20	+ 44
897	268 G. Aqar	− 6	− 32
898	φ Pegs	− 35	+ 57
899	ρ Cass	− 59	+ 16
900	27 Pisc	− 10	+ 16
901	π Phoe	+142	+135
902	ω Pisc	− 36	+ 9
903	ε Tucn	+126	+ 77
904	ϑ Octn	+328	+ 66
905	2 Ceti	− 10	+ 24

Nördliche Polsterne

Nr.	Name im FK3	1937.5 Δα (0ˢ.001)	Δδ (0″.01)
Na	43 H. Ceph	+ 4	− 20
Nb	α UMin	+ 795	− 16
Nc	Grb 750 Ceph	+ 59	− 13
Nd	51 H. Ceph	+ 316	+ 9
Ne	1 H. Drac	− 54	+ 17
Nf	30 H. Caml	+ 76	− 42
Ng	ε UMin	− 153	− 18
Nh	δ UMin	− 235	− 13
Ni	λ UMin	−1091	− 7
Nk	76 Drac	− 247	− 4

Südliche Polsterne

Nr.	Name im FK3	1937.5 Δα (0ˢ.001)	Δδ (0″.01)
Sa	4 G. Octn	+ 391	− 61
Sb	ξ Mens	+ 45	− 42
Sc	ζ Octn	− 168	− 93
Sd	ι Octn	+ 315	+ 6
Se	20 G. Octn	+ 305	+ 16
Sf	26 G. Octn	+ 309	+ 22
Sg	χ Octn	+ 186	+ 1
Sh	σ Octn	+1897	− 45
Si	β Octn	+ 173	+ 38
Sk	τ Octn	+ 603	− 31

Komponenten der Doppelsterne

Die Reduktionen sind im Sinne Komponente minus Schwerpunkt gegeben.

Nr.	Name	1937.0 Δα	1937.0 Δδ	1938.0 Δα	1938.0 Δδ
257	α CMaj . Hauptstern	−0ˢ.058	−1″.73	−0ˢ.040	−1″.60
287	α Gemi B .	−0.056	−1.76	−0.050	−1.70
	α Gemi A .	+0.040	+1.27	+0.036	+1.23
291	α CMin . Hauptstern	+0.051	−0.81	+0.046	−0.91
538	α Cent B . .	−0.222	+1.52	−0.184	+1.96
	α Cent A	+0.180	−1.30	+0.157	−1.66

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